
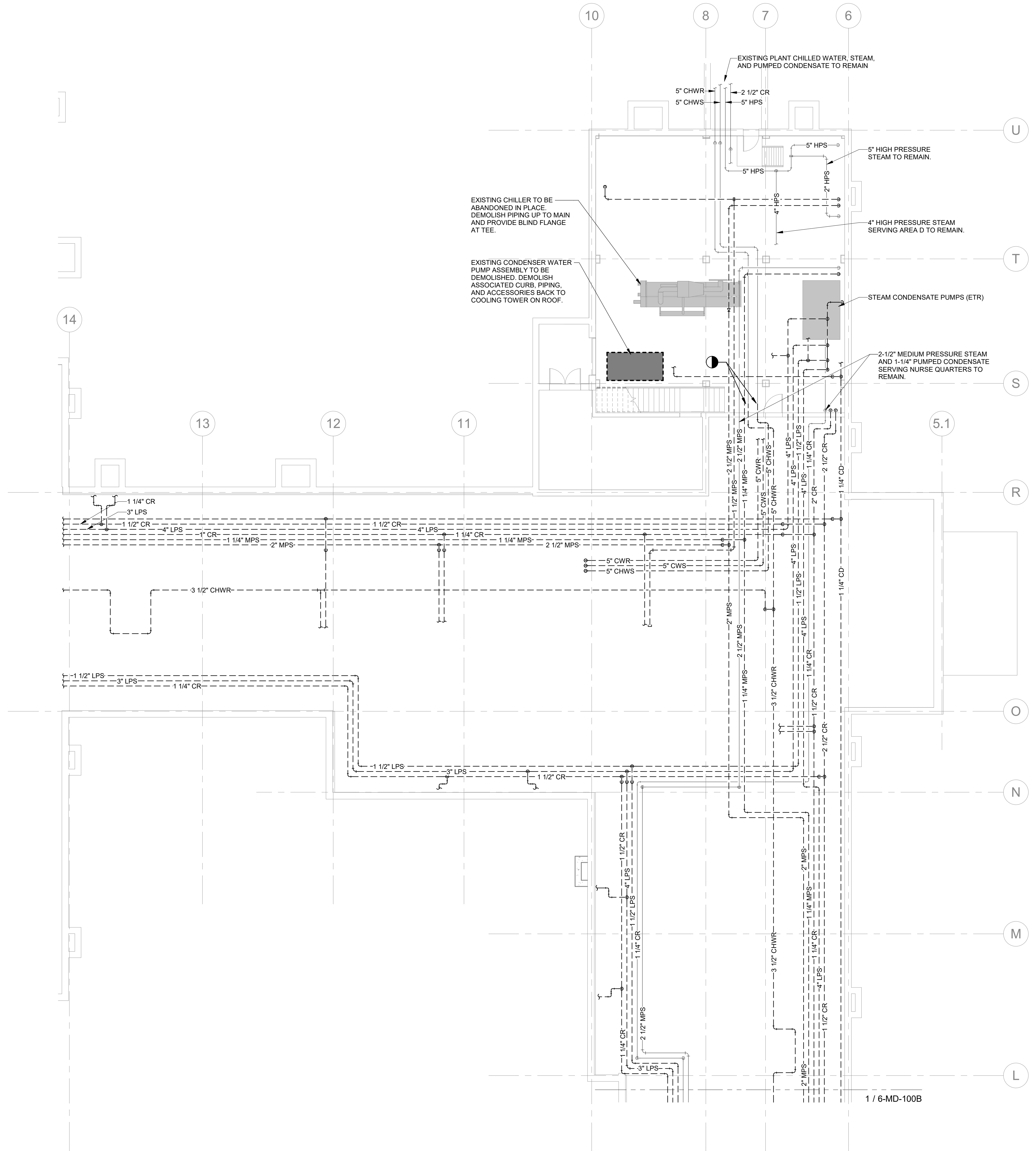


ABBREVIATIONS		GENERAL PLUMBING SYMBOLS		VALVE SYMBOLS		PLUMBING PIPING SYMBOLS		GENERAL DUCT SYMBOLS	
A ARCHITECT / ENGINEER	FD FLOOR DRAIN	CO CLEANOUT	CLEANOUT	AG ANGLE GLOBE VALVE	EXISTING PIPING	EXISTING PIPING TO BE REMOVED	AW ACID WASTE - ABOVE FLOOR (AW)	EXISTING DUCTWORK OR EQUIPMENT TO REMAIN	
AE AIR TO AIR HEAT EXCHANGER	FF FINAL FLOOR	COO DOUBLE EXTERIOR CLEANOUT (ECO)	DOUBLE EXTERIOR CLEANOUT (ECO)	AV AUTOMATIC AIR VENT	EXISTING PIPING TO REMAIN	EXISTING PIPING TO REMAIN	AW ACID WASTE - BELOW FLOOR (AW)	EXISTING DUCTWORK OR EQUIPMENT TO BE REMOVED	
AS AIR SEPARATOR	FM FLOW METER	ECO EXTERIOR CLEANOUT (ECO)	EXTERIOR CLEANOUT (ECO)	AVC AUTOMATIC FLOW CONTROL VALVE	FUEL	FUEL	AV AUXILIARY CONDENSATE DRAIN (ACD)	NEW DUCT (INSIDE DIMENSIONS: WIDTH x DEPTH)	
ASME AMERICAN SOCIETY OF MECHANICAL ENGINEERS	FMX FUEL OIL PUMP	ECO EXTERIOR CLEANOUT (ECO)	FLOOR CLEANOUT (FCO)	AVFC AUTOMATIC FLOW CONTROL VALVE WITH PRESSURE PORTS	FOS FUEL OIL SUPPLY (FOS)	FOS FUEL OIL SUPPLY (FOS)	CD CONDENSATE DRAIN (CD)	CONNECT NEW DUCT TO EXISTING DUCT	
AW AIR WASHER	FOP FUEL OIL PUMP	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	BV BALL VALVE	FOR FUEL OIL RETURN (FOR)	FOR FUEL OIL RETURN (FOR)	D DRAIN (D)		
AWF AXIAL FLOW	FOT FUEL OIL TANK	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	CV CONTROL VALVE (CV) - FLOAT-OPERATED	FOV FUEL OIL VENT (FOV)	FOV FUEL OIL VENT (FOV)	DRAIN (D)		
B BOILER	FOH FUEL OIL HEAT EXCHANGER	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	CV-F CONTROL VALVE (CV) - FLOAT-OPERATED	LPG LIQUEFIED PETROLEUM GAS (LPG)	LPG LIQUEFIED PETROLEUM GAS (LPG)	EV EVACUATION (EV)		
BD BACKDRIFT DAMPER	FR FLOOR REGISTER	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV GATE VALVE	MPG MEDIUM PRESSURE NATURAL GAS (MPG)	MPG MEDIUM PRESSURE NATURAL GAS (MPG)	ID INDIRECT DRAIN (ID)		
BDR BASE BOARD RADIATOR	FRP FIBER REINFORCED POLYESTER	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-G GATE VALVE WITH GLOBE-VALVED BYPASS	MPG MEDIUM PRESSURE NATURAL GAS ON ROOF (MPG)	MPG MEDIUM PRESSURE NATURAL GAS ON ROOF (MPG)	GW GREASE WASTE - ABOVE FLOOR (GW)		
BP BACKFLOW PREVENTER	FS FEET PER SECOND	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV GATE VALVE WITH GLOBE-VALVED BYPASS	NATURAL GAS (G)	NATURAL GAS (G)	GW GREASE WASTE - BELOW FLOOR (GW)		
BPT BOILER PLANT FIRE TUBE	FS FEET PER MINUTE	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-G GATE VALVE WITH 3/4" HOSE ADAPTER	NATURAL GAS BELOW GRADE (G)	NATURAL GAS BELOW GRADE (G)	S SOIL PIPING - ABOVE FLOOR (S)		
BG BOTTOM GRILLE	FT FEET	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV GATE VALVE WITH 3/4" HOSE ADAPTER			S SOIL PIPING - BELOW FLOOR (S)		
BHP BRANK HORSEPOWER	FT-LB FOOT-POUND	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-G GATE VALVE WITH 3/4" HOSE ADAPTER			T TRAP PRIMER LINE (T)		
BHW HOT WATER HEATING BOILER	FTR FIN TUBE RADIATION	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV GATE VALVE WITH 3/4" HOSE ADAPTER			T TRAP PRIMER LINE - BELOW SLAB (T)		
BWK BOILER LOW/NOISE HEAT EXCHANGER	FACE VELOCITY	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-G GATE VALVE WITH 3/4" HOSE ADAPTER			V VENT PIPING (V)		
BW BACKWARD INCLINED WHEEL (FAN)	G GAUGE	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV GATE VALVE WITH 3/4" HOSE ADAPTER			W WASTE PIPING - ABOVE FLOOR (W)		
BWT BOILER WATER TREATMENT	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-G GATE VALVE WITH 3/4" HOSE ADAPTER			W WASTE PIPING - BELOW FLOOR (W)		
C CENTRIFUGAL	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV GATE VALVE WITH 3/4" HOSE ADAPTER					
CC COOLING COIL	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-G GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD COOLING COIL CONDENSATE DRAIN	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-1 CONSTRUCTION DOCUMENTS (SUBMISSION 1)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-G GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-2 CONSTRUCTION DOCUMENTS (SUBMISSION 2)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-3 CONSTRUCTION DOCUMENTS (SUBMISSION 3)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-G GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-4 CONSTRUCTION DOCUMENTS (SUBMISSION 4)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-5 CONSTRUCTION DOCUMENTS (SUBMISSION 5)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-G GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-6 CONSTRUCTION DOCUMENTS (SUBMISSION 6)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-7 CONSTRUCTION DOCUMENTS (SUBMISSION 7)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-G GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-8 CONSTRUCTION DOCUMENTS (SUBMISSION 8)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-9 CONSTRUCTION DOCUMENTS (SUBMISSION 9)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-G GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-10 CONSTRUCTION DOCUMENTS (SUBMISSION 10)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-11 CONSTRUCTION DOCUMENTS (SUBMISSION 11)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-G GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-12 CONSTRUCTION DOCUMENTS (SUBMISSION 12)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-13 CONSTRUCTION DOCUMENTS (SUBMISSION 13)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-G GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-14 CONSTRUCTION DOCUMENTS (SUBMISSION 14)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-15 CONSTRUCTION DOCUMENTS (SUBMISSION 15)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-G GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-16 CONSTRUCTION DOCUMENTS (SUBMISSION 16)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-17 CONSTRUCTION DOCUMENTS (SUBMISSION 17)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-G GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-18 CONSTRUCTION DOCUMENTS (SUBMISSION 18)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-19 CONSTRUCTION DOCUMENTS (SUBMISSION 19)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-G GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-20 CONSTRUCTION DOCUMENTS (SUBMISSION 20)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-21 CONSTRUCTION DOCUMENTS (SUBMISSION 21)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-G GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-22 CONSTRUCTION DOCUMENTS (SUBMISSION 22)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-23 CONSTRUCTION DOCUMENTS (SUBMISSION 23)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-G GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-24 CONSTRUCTION DOCUMENTS (SUBMISSION 24)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-25 CONSTRUCTION DOCUMENTS (SUBMISSION 25)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-G GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-26 CONSTRUCTION DOCUMENTS (SUBMISSION 26)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV-GV GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-27 CONSTRUCTION DOCUMENTS (SUBMISSION 27)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-G GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-28 CONSTRUCTION DOCUMENTS (SUBMISSION 28)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-29 CONSTRUCTION DOCUMENTS (SUBMISSION 29)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-G GATE VALVE WITH 3/4" HOSE ADAPTER					
CCD-30 CONSTRUCTION DOCUMENTS (SUBMISSION 30)	GRAVITY HOOD	FCO FLOOR CLEANOUT (FCO)	FLOOR CLEANOUT (FCO)	GV-GV GATE VALVE WITH 3/4" HOSE ADAPTER					

CONSULTANT INFORMATION STRUCTURAL / CIVIL ENGINEER: STAND STRUCTURAL ENGINEERING, 11527 N. 112TH STREET, SUITE 200, OVERLAND PARK, KS 66210 (913) 214-2169 MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER: SPUR DESIGN, 11020 KING STREET, SUITE 350, OVERLAND PARK, KS 66210 (405) 842-6100 FIRE PROTECTION ENGINEER: POOLE FIRE PROTECTION, INC., 19910 W. 161ST STREET, OLATH, KS 66062 (913) 829-8650		ARCHITECT  513 5th Street, Overland Park, KS 66209 10202 King Street, Suite 350, Overland Park, KS 66210 710/2017 Kansas Professional Engineer		Office of Construction and Facilities Management U.S. Department of Veteran Affairs SHEET TITLE: MECHANICAL LEGEND AND ABBREVIATIONS APPROVED: PROJECT DIRECTOR		PROJECT PHASE BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE RENOVATE A & B WING BUILDING 6 PROJECT LOCATION 2200 SW GAGE BLVD., TOPEKA, KS 66622 DATE 07/10/19 CHECKED BY JES DRAWN BY JAD		VA PROJECT NUMBER 589A5-19-116 BUILDING NUMBER 6 DRAWING NUMBER 6-M-000 Dwg. 90 OF 160	
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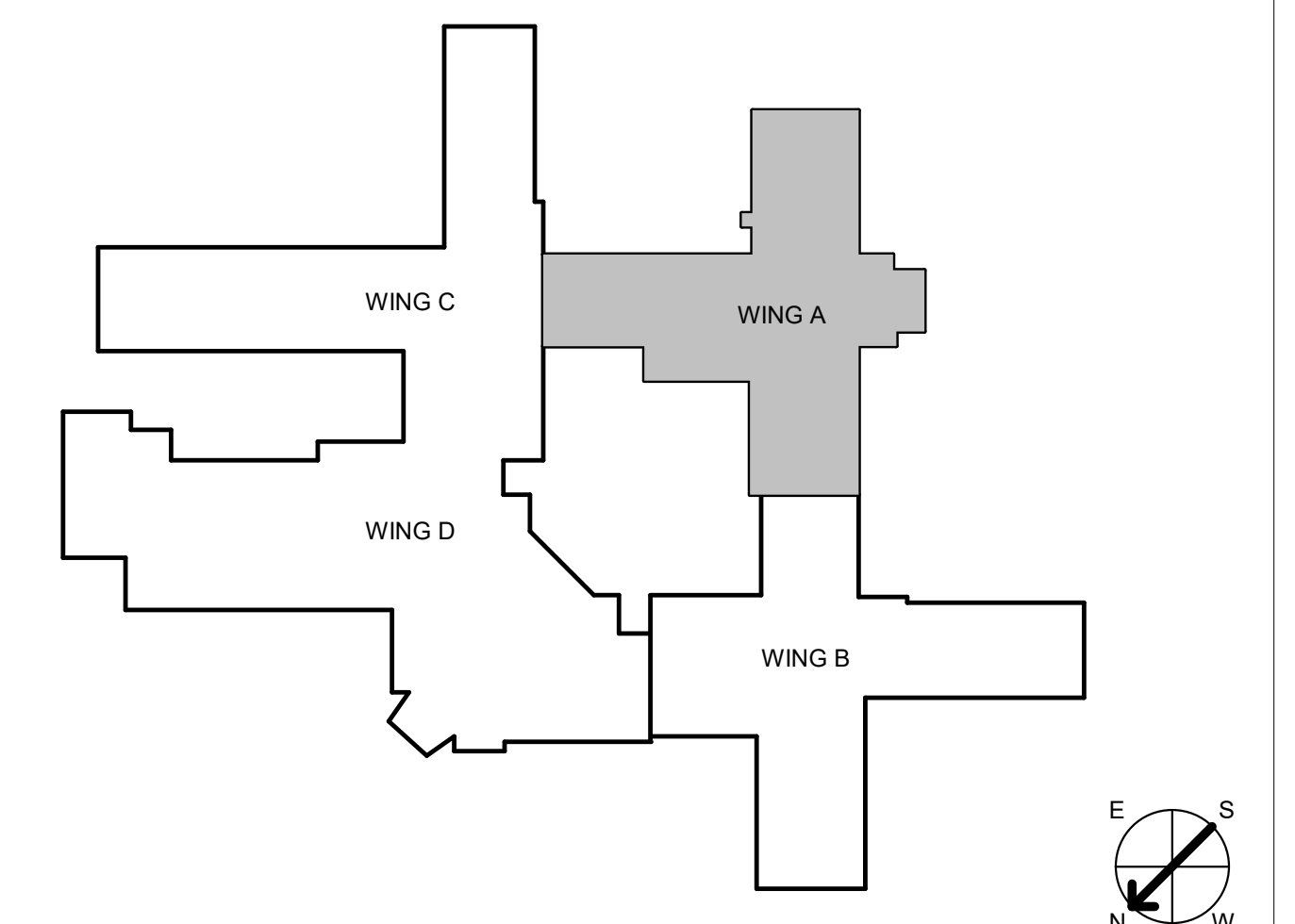
three eighths inch = one foot
one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot
three and one half inches = one foot
four inches = one foot
four and one half inches = one foot
five inches = one foot
five and one half inches = one foot
six inches = one foot
six and one half inches = one foot
seven inches = one foot
seven and one half inches = one foot
eight inches = one foot
eight and one half inches = one foot
nine inches = one foot
nine and one half inches = one foot
ten inches = one foot
ten and one half inches = one foot
eleven inches = one foot
eleven and one half inches = one foot
twelve inches = one foot
twelve and one half inches = one foot
thirteen inches = one foot
thirteen and one half inches = one foot
fourteen inches = one foot
fourteen and one half inches = one foot
fifteen inches = one foot
fifteen and one half inches = one foot



- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
 2. SEE SHEET 6-GI-001 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
 3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
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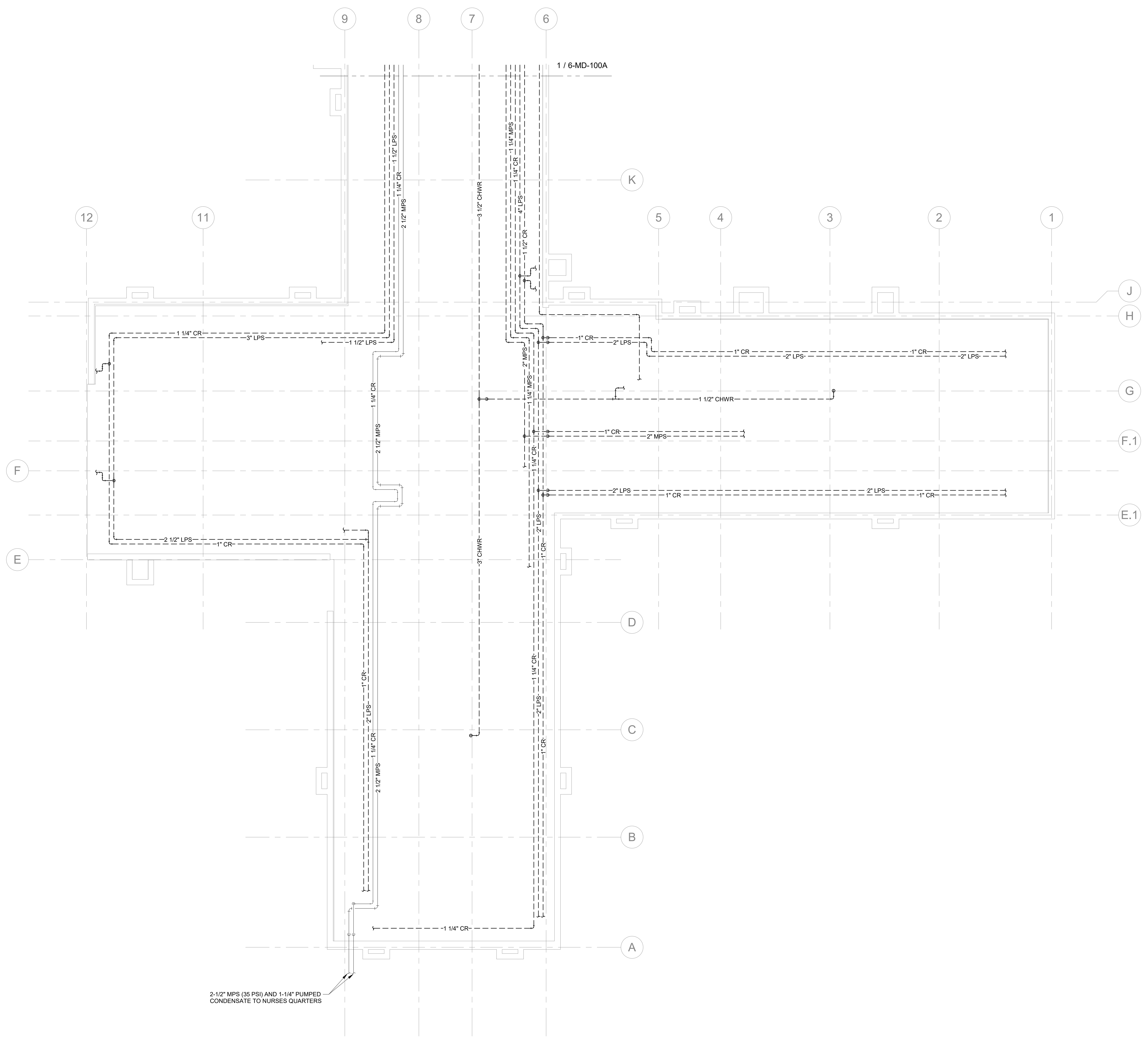
- DEDUCT ALTERNATE AND PHASING GENERAL NOTES:**
1. ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
 2. IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.

1 MECHANICAL PIPING DEMOLITION PLAN - WING A BASEMENT FLOOR PLAN
1/8" = 1'-0"



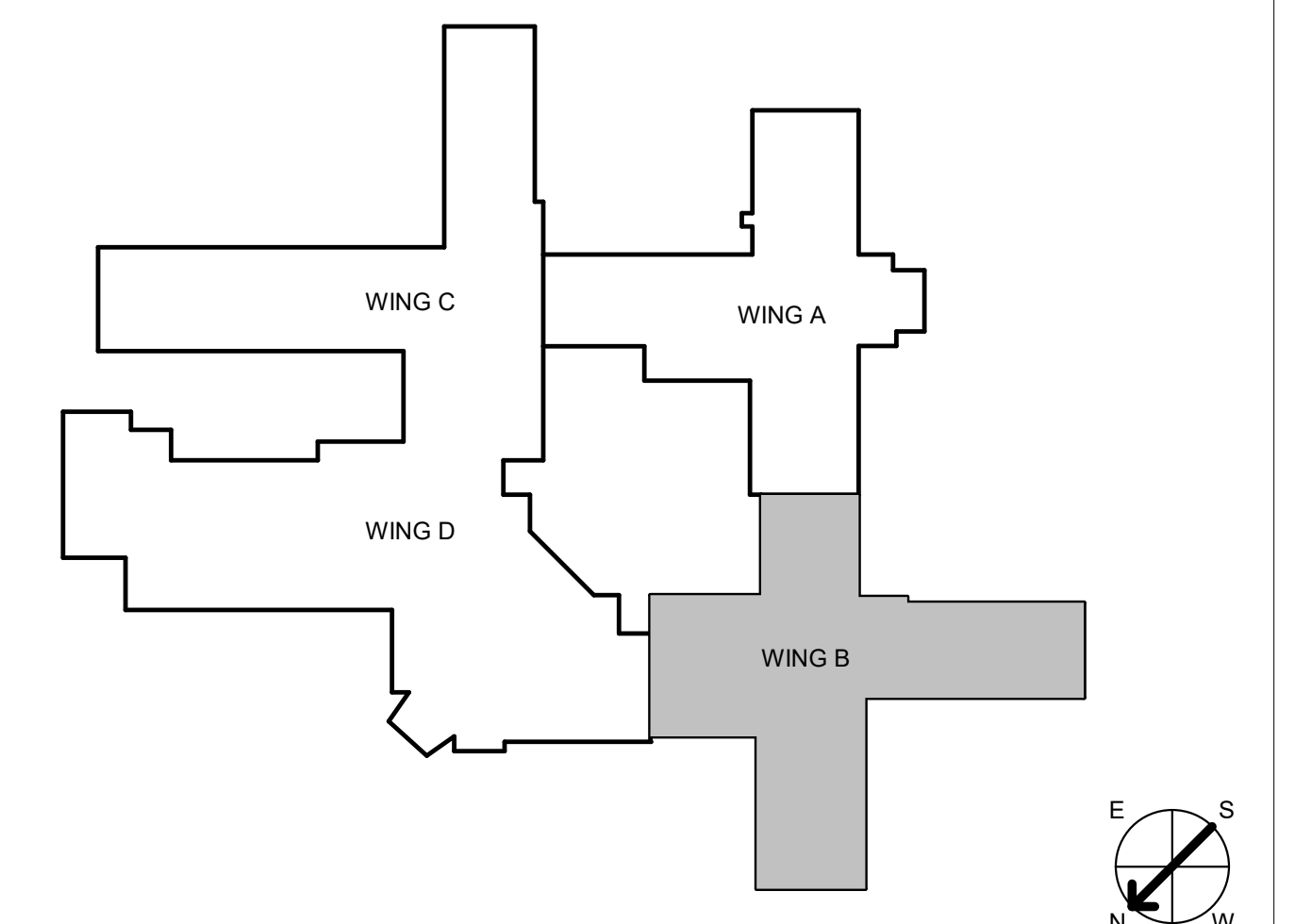
CONSULTANT INFORMATION STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 1127 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169		MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100		FIRE PROTECTION ENGINEER POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650		ARCHITECT 513 SW 20th Street Overland Park, KS 66209 spur-design.com 11020 King Street, Suite 350 Overland Park, KS 66210 spur-design.com		Office of Construction and Facilities Management VA U.S. Department of Veteran Affairs 		SHEET TITLE MECHANICAL DEMOLITION PLAN - WING A BASEMENT FLOOR PLAN APPROVED: PROJECT DIRECTOR		PROJECT PHASE BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE RENOVATE A & B WING BUILDING 6 PROJECT LOCATION 2200 SW GAGE BLVD. TOPEKA, KS 66622		VA PROJECT NUMBER 589A5-19-116 BUILDING NUMBER 6 DRAWING NUMBER 6-MD-100A Dwg. 91 OF 160	
Revision # Date																	

three eighths inch = one foot
 one and one-half inches = one foot
 one inch = one foot
 three-quarters inch = one foot
 one-half inch = one foot
 three-eighths inch = one foot
 one-quarter inch = one foot
 one-eighth inch = one foot



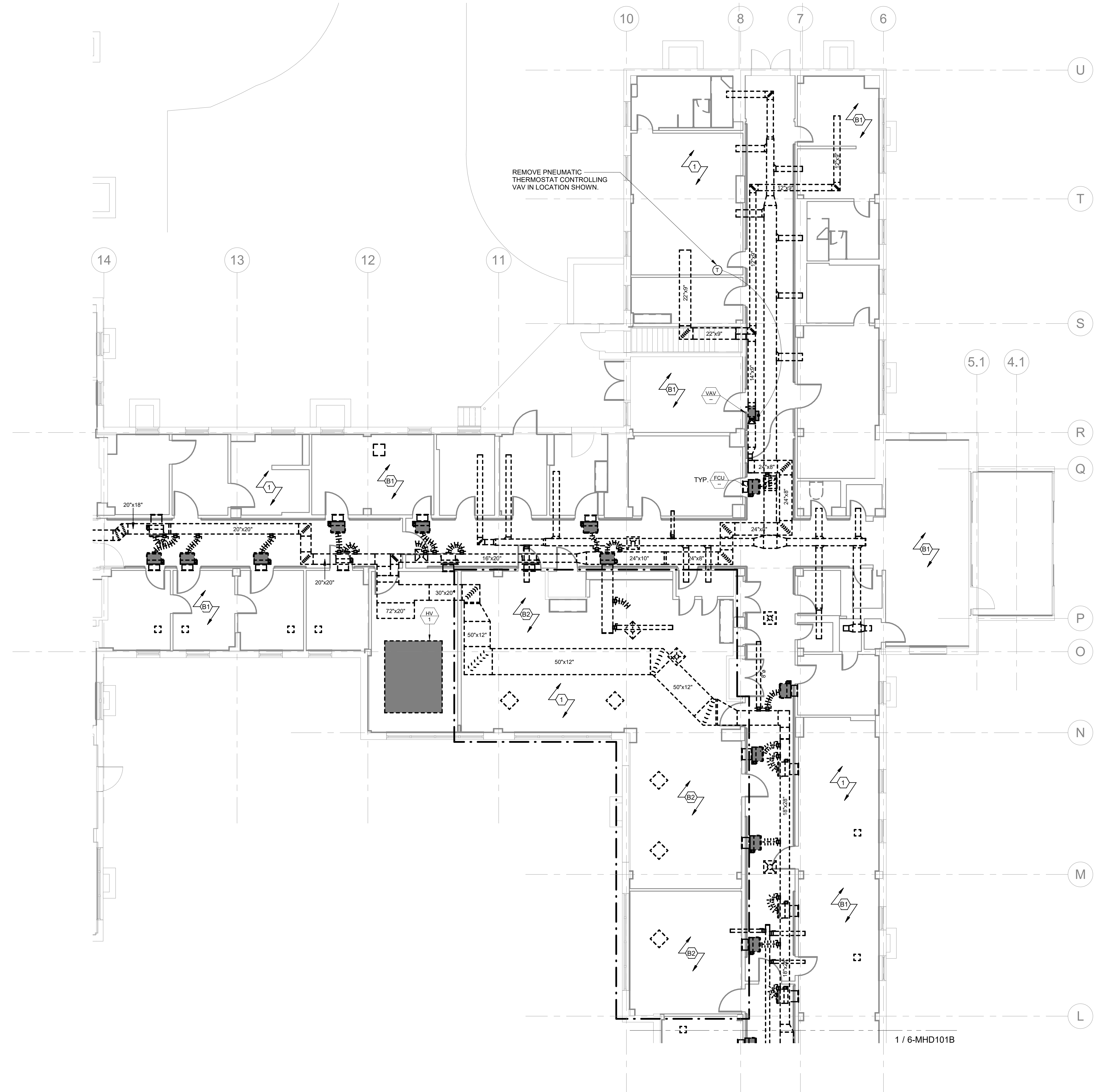
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 2. IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.

1 MECHANICAL PIPING DEMOLITION PLAN - WING B BASEMENT FLOOR PLAN
 1/8" = 1'-0"



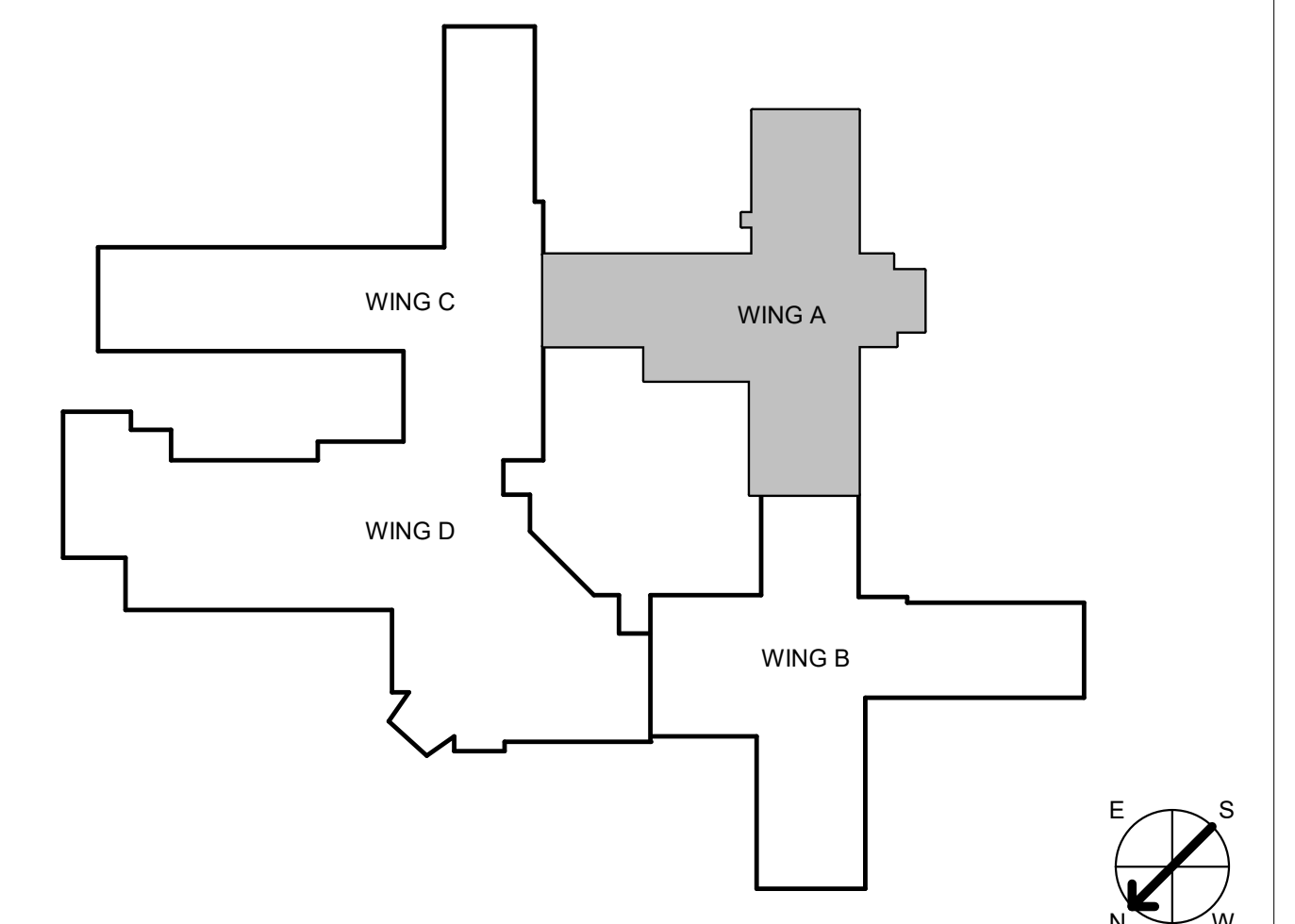
<p>CONSULTANT INFORMATION</p> <p>STRUCTURAL / CIVIL ENGINEER: STAND STRUCTURAL ENGINEERING, 11627 W. 112TH STREET, SUITE 200, OVERLAND PARK, KS 66210, (913) 214-2169</p> <p>MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER: SPUR DESIGN, 11020 KING STREET, SUITE 350, OVERLAND PARK, KS 66210, (405) 842-6100</p> <p>FIRE PROTECTION ENGINEER: POOLE FIRE PROTECTION, INC., 19910 W. 161ST STREET, OLATH, KS 66062, (913) 829-8650</p>		<p>ARCHITECT</p> <p>SPUR DESIGN</p> <p>312 SW 23rd Street, Overland Park, KS 66209, 913-214-2169</p> <p>11020 King Street, Suite 350, Overland Park, KS 66210, 405-842-6100</p>		<p>Office of Construction and Facilities Management</p> <p>VA U.S. Department of Veteran Affairs</p>		<p>SHEET TITLE: MECHANICAL DEMOLITION PLAN - WING B BASEMENT FLOOR PLAN</p> <p>APPROVED: PROJECT DIRECTOR</p>		<p>PROJECT PHASE: BID DOCUMENTS</p> <p>FULLY SPRINKLERED</p>		<p>PROJECT TITLE: RENOVATE A & B WING BUILDING 6</p> <p>PROJECT LOCATION: 2200 SW GAGE BLVD., TOPEKA, KS 66622</p> <p>DATE: 07/10/19</p> <p>CHECKED BY: JES</p> <p>DRAWN BY: CSC</p>		<p>VA PROJECT NUMBER: 589A5-19-116</p> <p>BUILDING NUMBER: 6</p> <p>DRAWING NUMBER: 6-MD-100B</p> <p>Dwg. 92 OF 160</p>	
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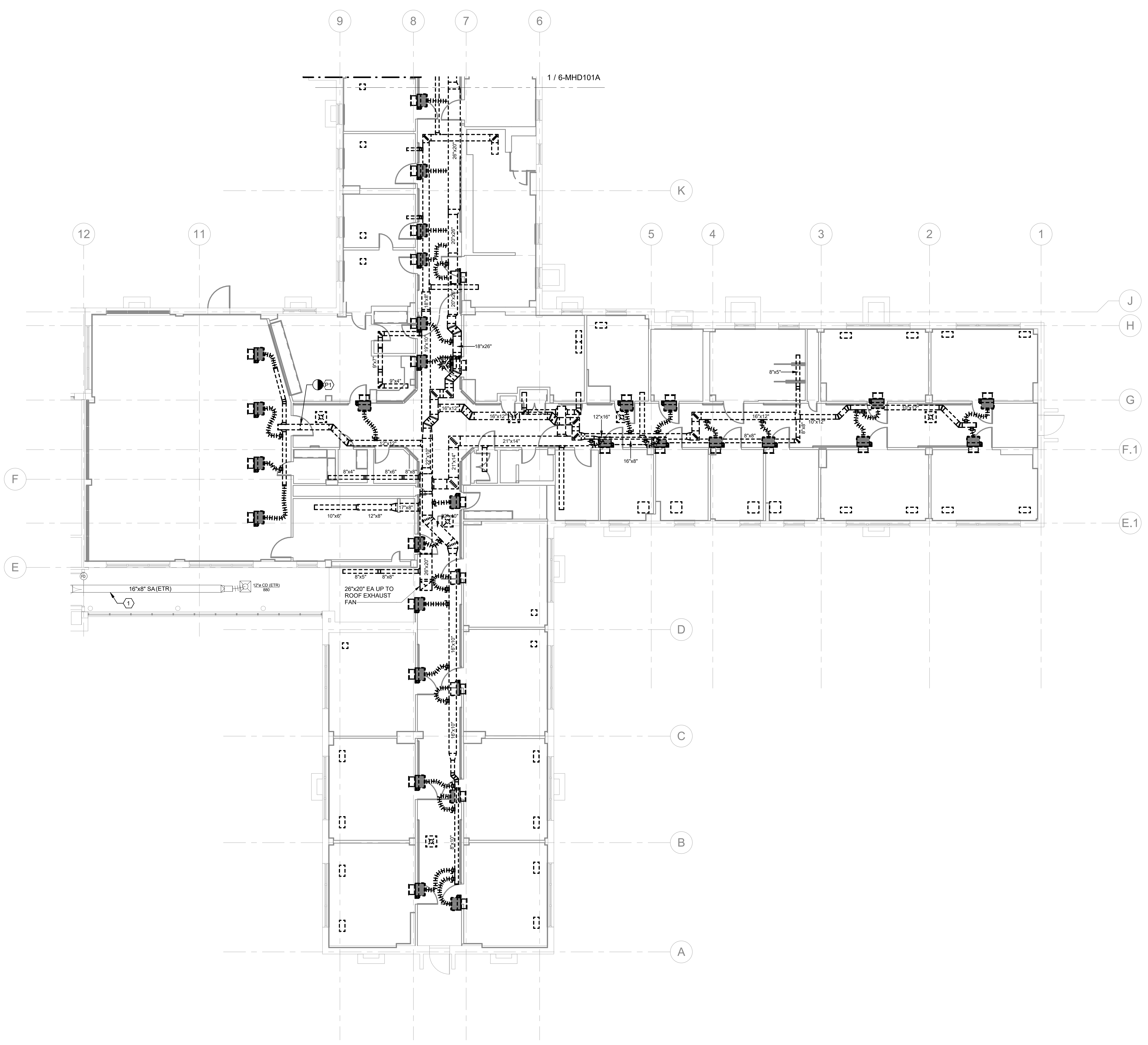
- GENERAL NOTES:**
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 2. SEE SHEET 6-GI-001 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
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1. ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
 2. IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.
- MECHANICAL DEMOLITION PLAN NOTES:**
1. UNLESS OTHERWISE NOTED, DEMOLISH ALL MECHANICAL EQUIPMENT, DUCTWORK, CONTROL DEVICES, AND ACCESSORIES IN THIS AREA.
 2. REMOVE EXISTING HEATING AND VENTILATING UNIT HV-1 AND ASSOCIATED PIPING, DUCTWORK, AND CONTROLS AS SHOWN. COORDINATE WORK WITH PHASING INFORMATION ON SHEET 6-GI-102.
- MECHANICAL DEDUCT ALTERNATE PLAN NOTES:**
- B1. ALL HVAC EQUIPMENT AND ASSOCIATED DUCTWORK AND ACCESSORIES IN WING A SHALL BE EXISTING TO REMAIN IF THE DEDUCT ALTERNATE IS ELECTED UNLESS NOTED OTHERWISE. SEE SHEET 6-MH-103A FOR RELATED WORK.
 - B2. THE AREA SHOWN IS NOT INCLUDED IN THE DEDUCT ALTERNATE. EXISTING MECHANICAL SYSTEMS SHALL REMAIN IF THE DEDUCT ALTERNATE IS ELECTED. SEE SHEET 6-MH-103A FOR RELATED WORK AND INFORMATION.

1 MECHANICAL HVAC DEMOLITION PLAN WING A LEVEL 1 FLOOR PLAN
 1/8" = 1'-0"



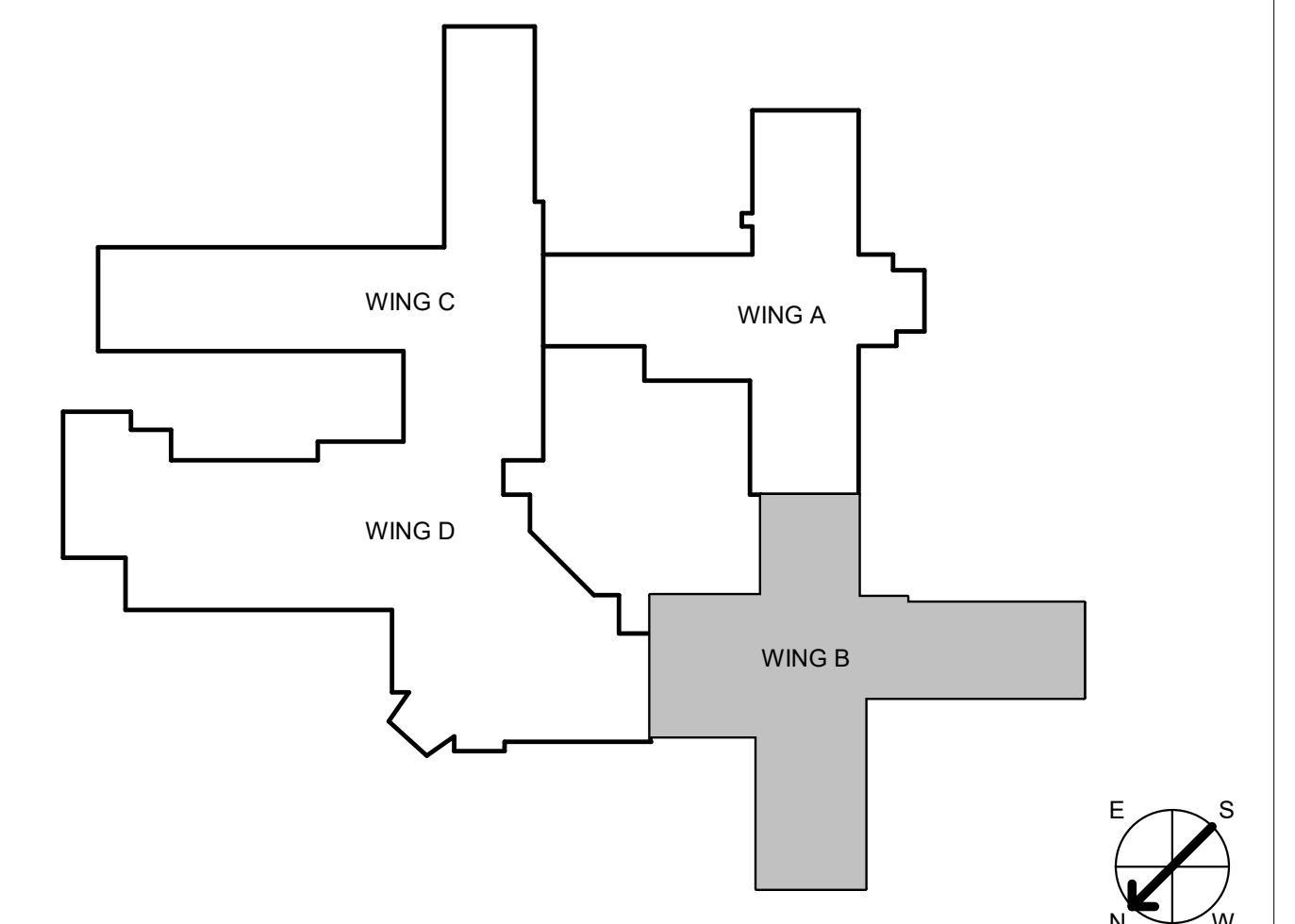
CONSULTANT INFORMATION STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 11627 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169		MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100		FIRE PROTECTION ENGINEER POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650		ARCHITECT  513 SW 23th Street Overland Park, KS 66159 spur-design.com 11020 King Street, Suite 350 Overland Park, KS 66210 spur-design.com		Office of Construction and Facilities Management VA U.S. Department of Veteran Affairs		SHEET TITLE MECHANICAL HVAC DEMOLITION PLAN - WING A LEVEL 1 FLOOR PLAN APPROVED: PROJECT DIRECTOR		PROJECT PHASE BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE RENOVATE A & B WING BUILDING 6 PROJECT LOCATION 2200 SW GAGE BLVD. TOPEKA, KS 66622		VA PROJECT NUMBER 589A5-19-116 BUILDING NUMBER 6 DRAWING NUMBER 6-MHD101A Dwg. 93 OF 160	
Revision # Date		KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019				DATE 07/10/19		CHECKED BY JES		DRAWN BY JAD		DATE 07/10/19		CHECKED BY JES			


three inches = one foot
one and one-half inches = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot



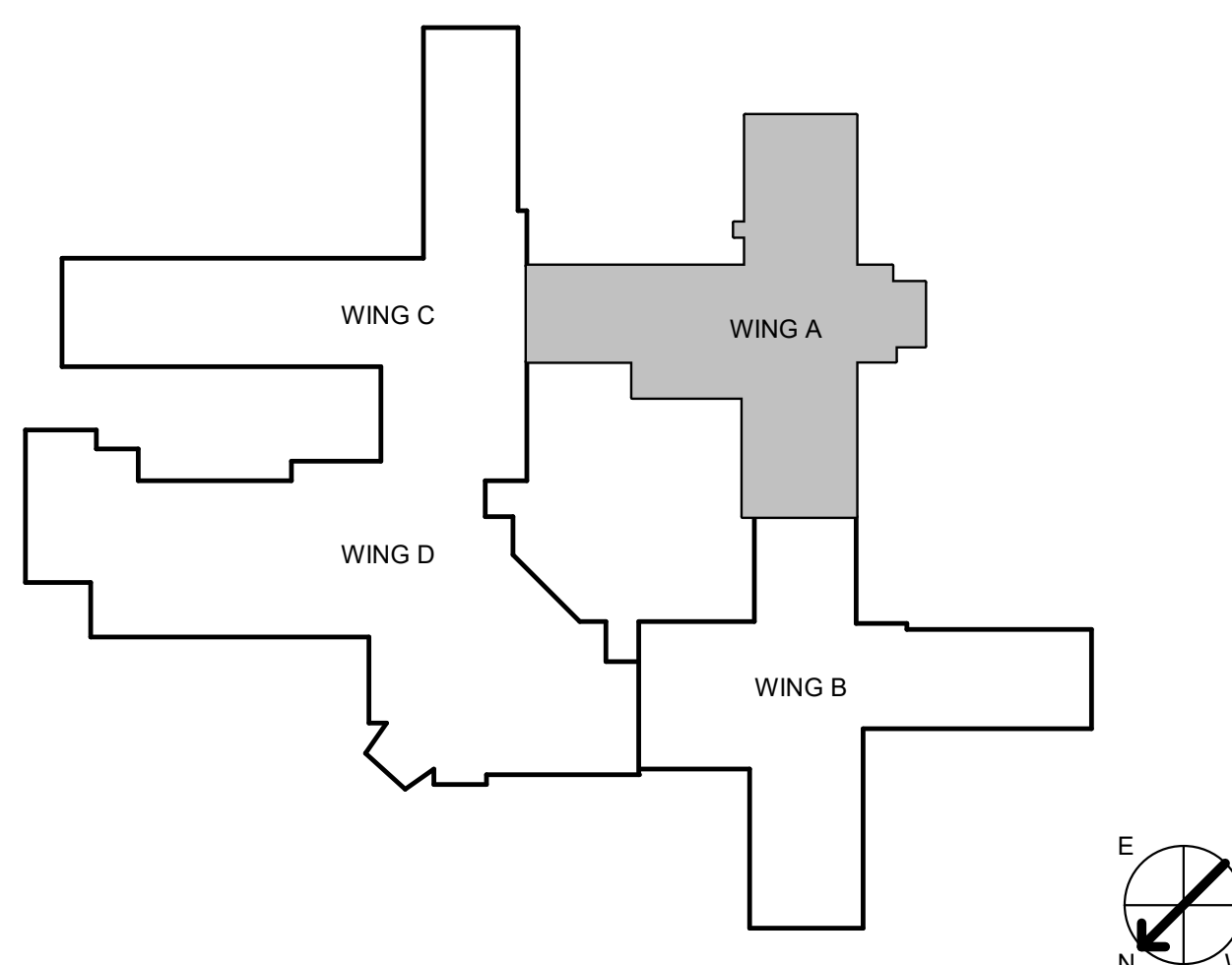
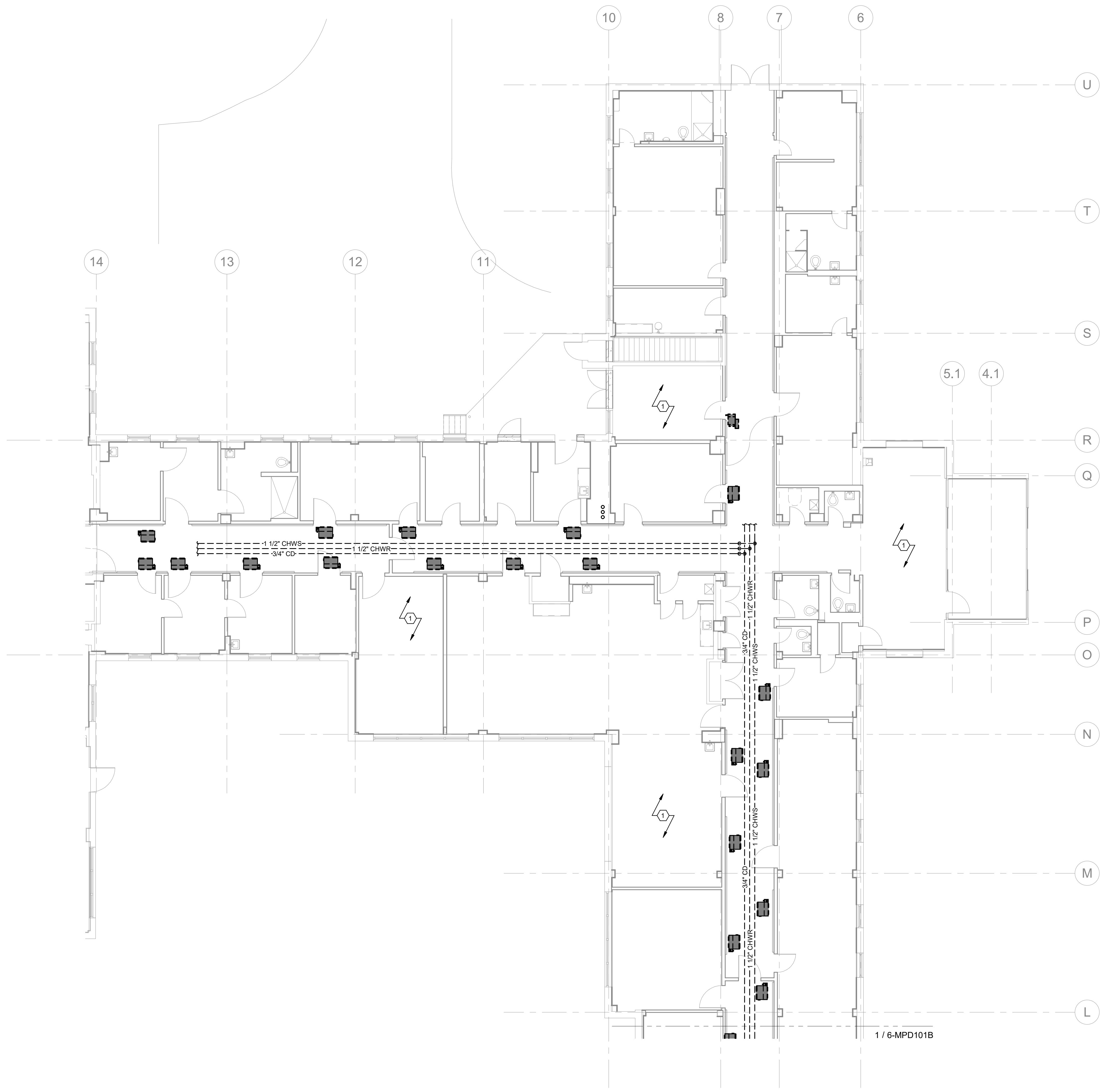
- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
 2. SEE SHEET 6-GI-001 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
 3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
 4. COORDINATE MECHANICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF WORK.
- DEDUCT ALTERNATE AND PHASING GENERAL NOTES:**
1. ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
 2. IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.
- GENERAL MECHANICAL DEMO NOTES:**
1. UNLESS OTHERWISE NOTED, DEMOLISH ALL MECHANICAL EQUIPMENT, DUCTWORK, CONTROL DEVICES, AND ACCESSORIES IN THE AREA SHOWN.
- MECHANICAL DEMO PLAN NOTES:**
1. THE SUPPLY AIR BRANCH SHOWN IS SERVED FROM D-WING AIR HANDLING UNIT (6-AHU-01) AND TERMINAL UNIT (TU-24). EQUIPMENT, DUCTWORK, AND ACCESSORIES SHOWN ARE EXISTING TO REMAIN. SEE SHEET 6-MH-101B FOR RELATED WORK.
- MECHANICAL PHASING PLAN NOTES:**
1. THE LIMIT OF DEMOLITION SHOWN REPRESENTS THE PHASE 1 LIMIT OF DEMOLITION. EQUIPMENT/DUCTWORK SERVING FLOOR SHALL REMAIN TEMPORARILY. SEE SHEETS 6-GI-102 AND 3/6-M-402 FOR ADDITIONAL PHASING INFORMATION AND RELATED WORK.

1 MECHANICAL HVAC DEMOLITION PLAN WING B LEVEL 1 FLOOR PLAN
1/8" = 1'-0"



CONSULTANT INFORMATION STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 1127 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169		MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100		FIRE PROTECTION ENGINEER POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650		ARCHITECT  513 SW 23rd Street Overland Park, KS 66209 (913) 214-2169 KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019		Office of Construction and Facilities Management VA U.S. Department of Veteran Affairs		SHEET TITLE MECHANICAL HVAC DEMOLITION PLAN - WING B LEVEL 1 FLOOR PLAN APPROVED: PROJECT DIRECTOR		PROJECT PHASE BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE RENOVATE A & B WING BUILDING 6 PROJECT LOCATION 2200 SW GAGE BLVD. TOPEKA, KS 66622 DATE 07/10/19		VA PROJECT NUMBER 589A5-19-116 BUILDING NUMBER 6 DRAWING NUMBER 6-MHD101B Dwg. 94 OF 160	
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- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
 2. SEE SHEET 6-GI-001 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
 3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
 4. COORDINATE MECHANICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF WORK.
- DEDUCT ALTERNATE AND PHASING GENERAL NOTES:**
1. ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
 2. IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.
- MECHANICAL DEMO PLAN NOTES:**
1. UNLESS OTHERWISE NOTED, DEMOLISH ALL MECHANICAL EQUIPMENT, DUCTWORK, CONTROL DEVICES, AND ACCESSORIES IN THIS AREA.



1 MECHANICAL PIPING DEMOLITION PLAN - WING A LEVEL 1 FLOOR PLAN
1/8" = 1'-0"

CONSULTANT INFORMATION

STRUCTURAL / CIVIL ENGINEER	MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER	FIRE PROTECTION ENGINEER
STAND STRUCTURAL ENGINEERING 11627 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169	SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100	POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650

ARCHITECT



Office of Construction and Facilities Management
VA U.S. Department of Veteran Affairs

SHEET TITLE
MECHANICAL PIPING DEMOLITION PLAN - WING A LEVEL BASEMENT

APPROVED: PROJECT DIRECTOR

PROJECT PHASE
BID DOCUMENTS

FULLY SPRINKLERED

PROJECT TITLE
RENOVATE A & B WING BUILDING 6

PROJECT LOCATION
2200 SW GAGE BLVD.
TOPEKA, KS 66622

DATE
07/10/19

CHECKED BY
JES

DRAWN BY
CSC

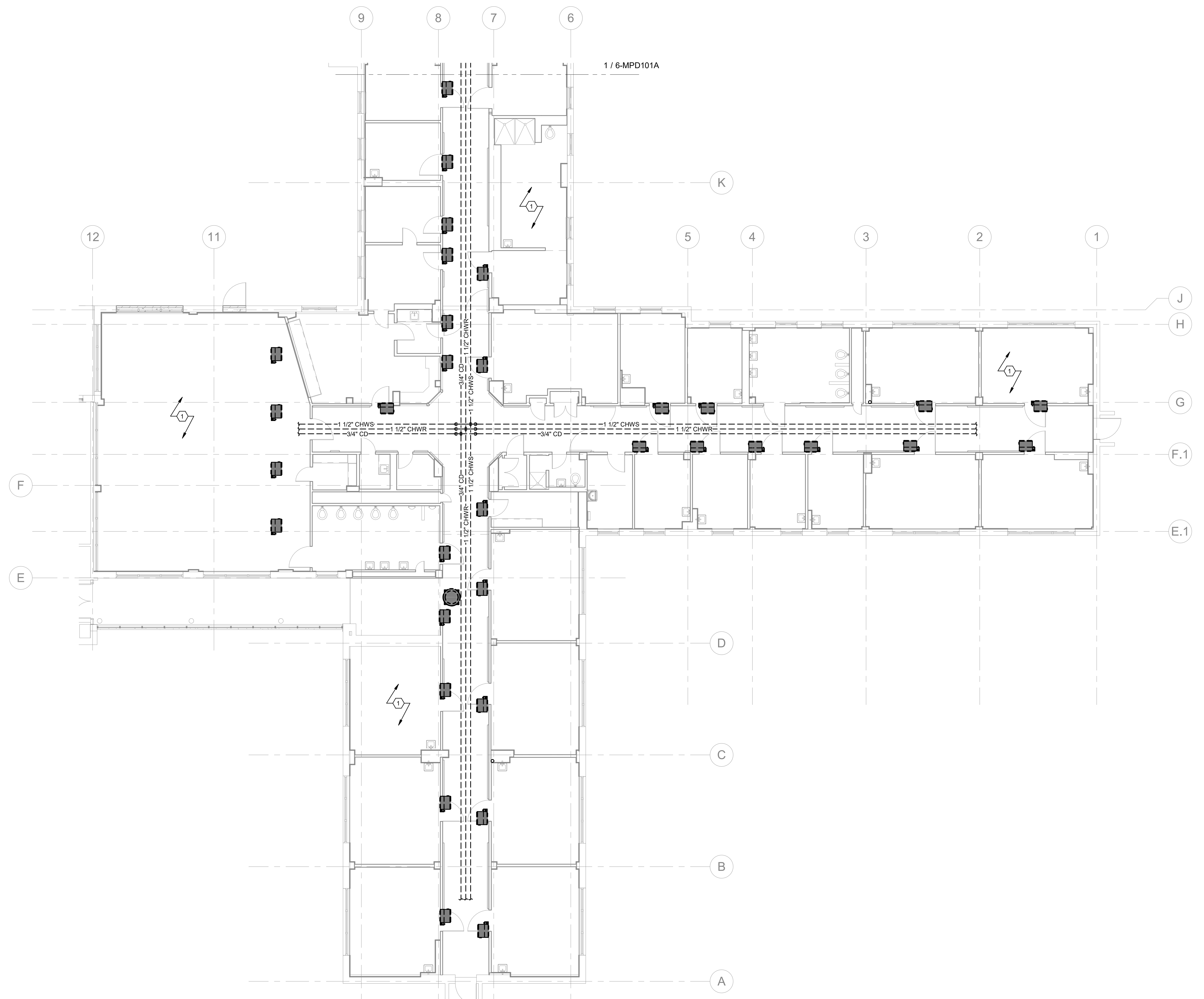
VA PROJECT NUMBER
589A5-19-116

BUILDING NUMBER
6

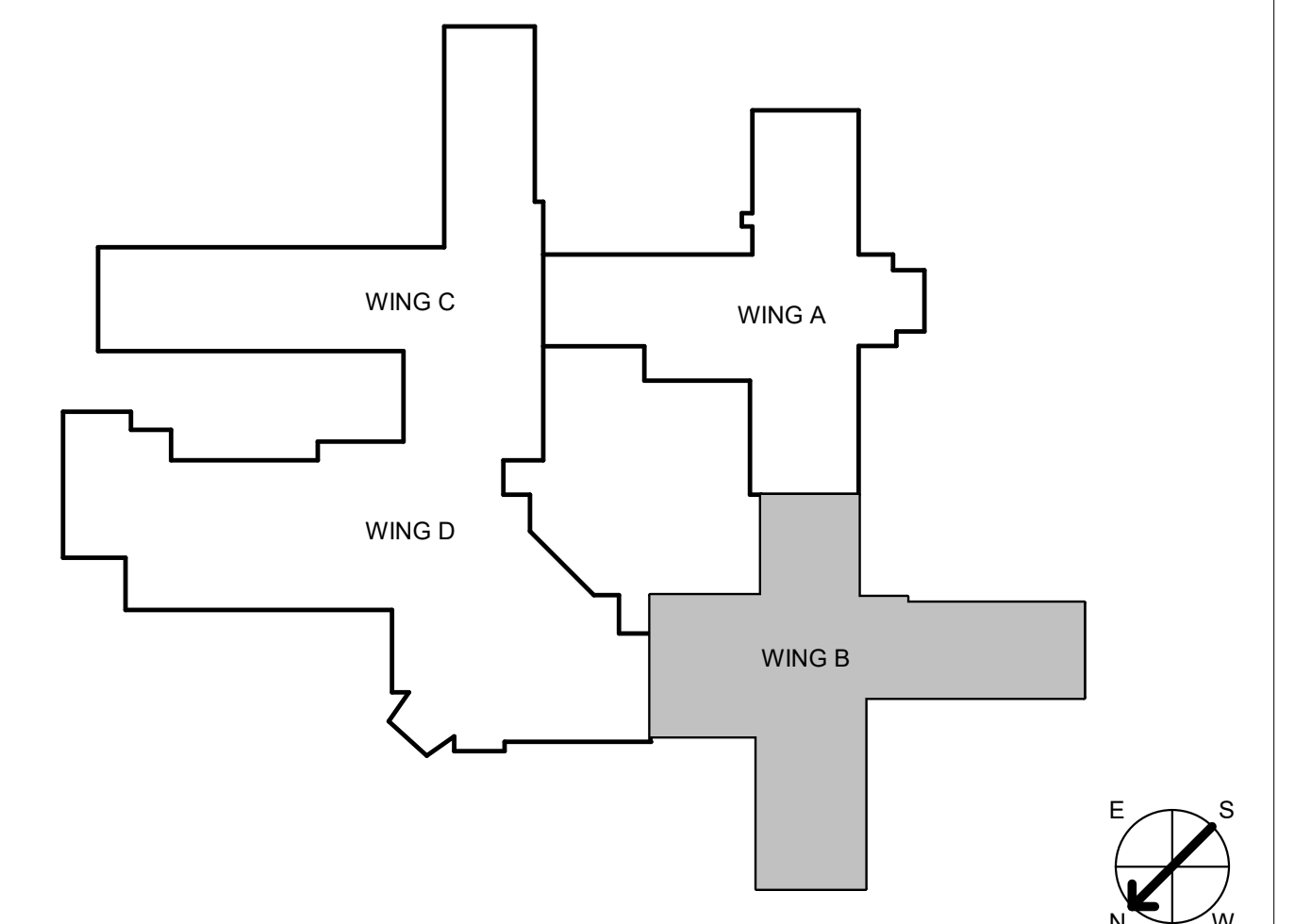
DRAWING NUMBER
6-MPD101A

Dwg. 95 OF 160

- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
 2. SEE SHEET 6-GI-001 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
 3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICERS REPRESENTATIVE BEFORE THE START OF WORK.
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- DEDUCT ALTERNATE AND PHASING GENERAL NOTES:**
1. ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
 2. IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.
- MECHANICAL DEMO PLAN NOTES:**
1. UNLESS OTHERWISE NOTED, DEMOLISH ALL MECHANICAL EQUIPMENT, DUCTWORK, CONTROL DEVICES, AND ACCESSORIES IN THIS AREA.



1 MECHANICAL PIPING DEMOLITION PLAN - WING B LEVEL 1 FLOOR PLAN
 1/8" = 1'-0"



CONSULTANT INFORMATION

STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 11827 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169	MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100	FIRE PROTECTION ENGINEER POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650
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ARCHITECT



Office of Construction and Facilities Management
 VA U.S. Department of Veteran Affairs

SHEET TITLE
MECHANICAL PIPING DEMOLITION PLAN - WING B LEVEL BASEMENT

APPROVED: PROJECT DIRECTOR

PROJECT PHASE
BID DOCUMENTS

FULLY SPRINKLERED

PROJECT TITLE
RENOVATE A & B WING BUILDING 6

PROJECT LOCATION
**2200 SW GAGE BLVD.
 TOPEKA, KS 66622**

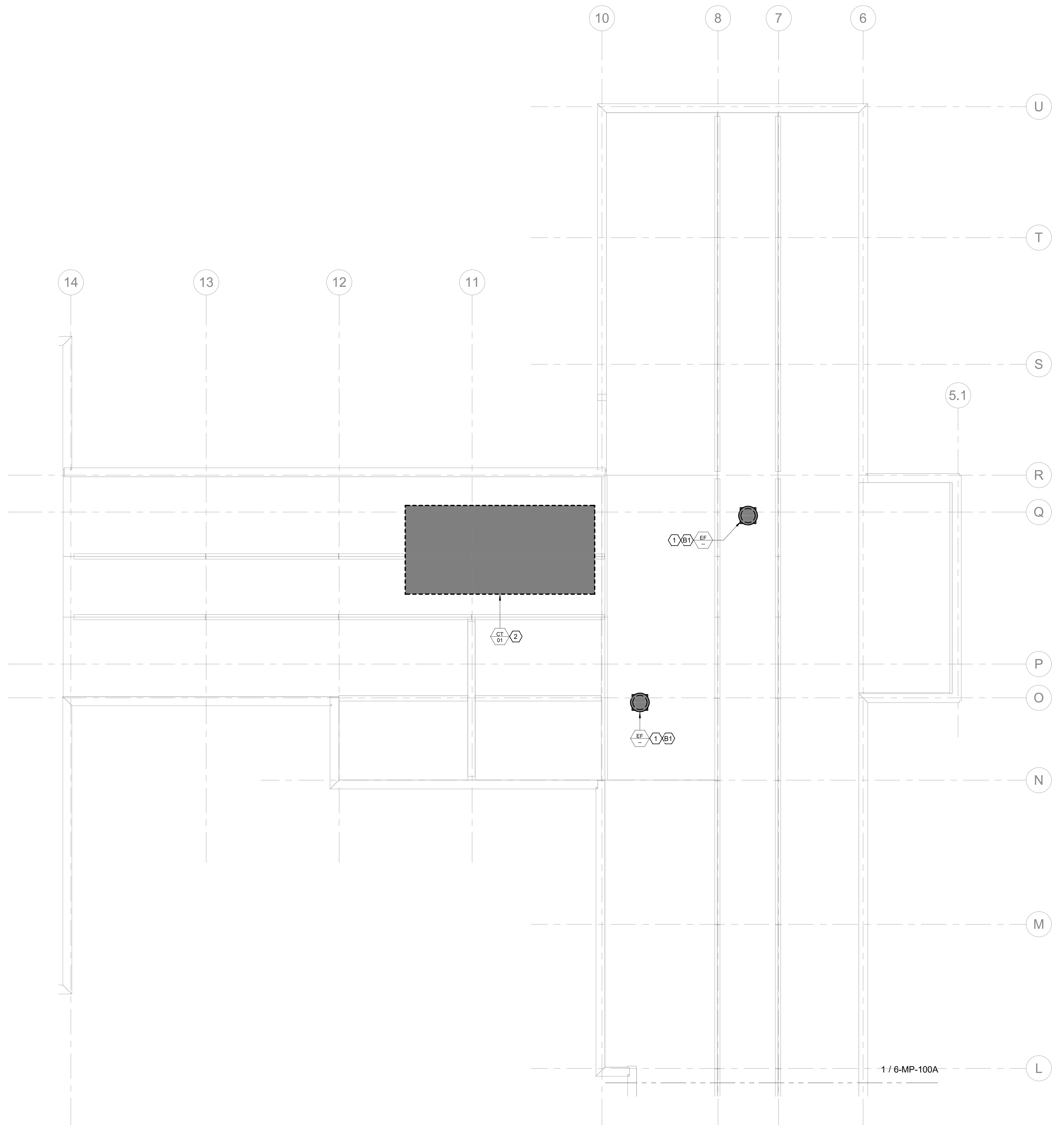
VA PROJECT NUMBER
589A5-19-116

BUILDING NUMBER
6

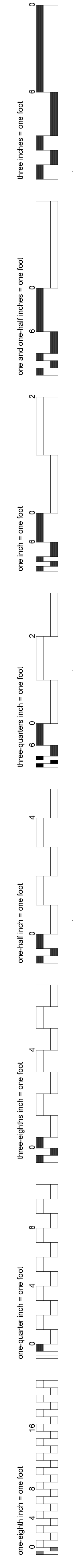
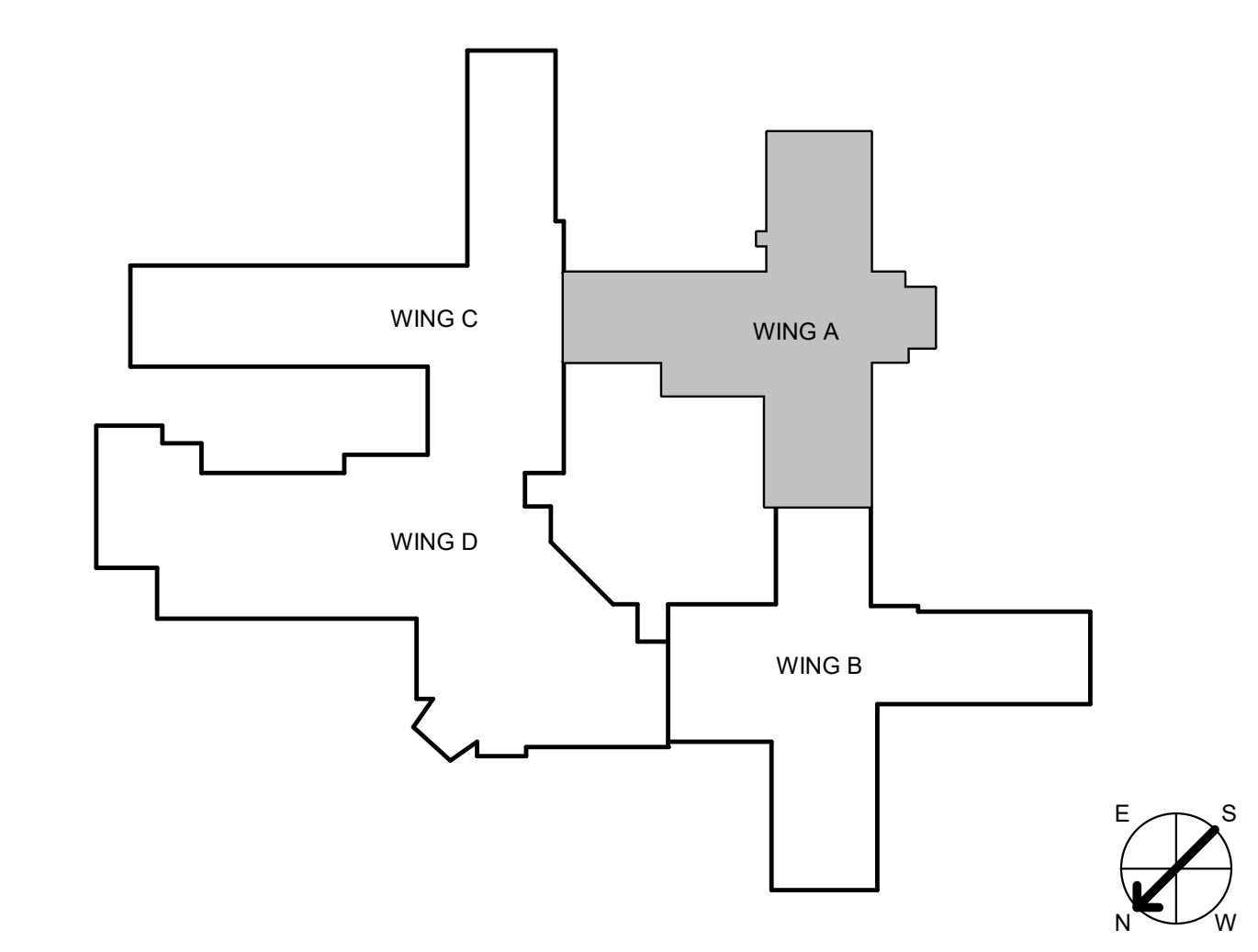
DRAWING NUMBER
6-MPD101B

Dwg. 96 OF 160

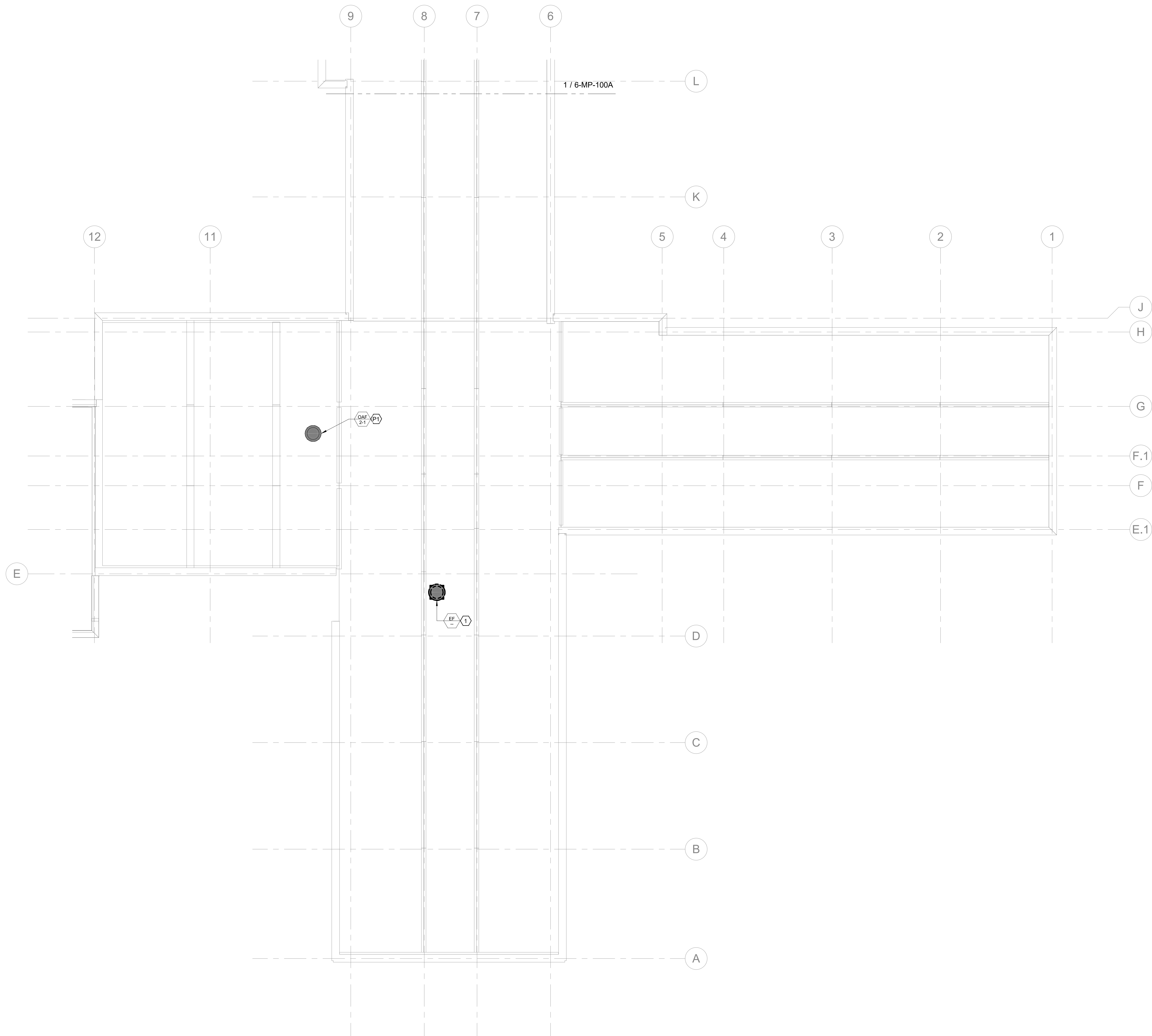
- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
 2. SEE SHEET 6-GI-001 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
 3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
 4. COORDINATE MECHANICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF WORK.
- DEDUCT ALTERNATE AND PHASING GENERAL NOTES:**
1. ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
 2. IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.
- MECHANICAL DEMO PLAN NOTES:**
1. DEMOLISH EXISTING GENERAL EXHAUST FAN AND ASSOCIATED DUCTWORK AND CONTROLS AS SHOWN. PROVIDE PATCH AND REPAIR OF ROOF PENETRATIONS RESULTING FROM DEMOLISHED EQUIPMENT UNLESS OTHERWISE NOTED.
 2. DEMOLISH EXISTING COOLING TOWER AND ASSOCIATED PIPING, ACCESSORIES, AND CONTROLS AS SHOWN. COORDINATE DEMOLITION OF THE COOLING TOWER STRUCTURAL SUPPORT PLATFORM AND ROOF PATCH AND REPAIR WITH THE ARCHITECTURAL AND STRUCTURAL CONTRACTORS.
- MECHANICAL DEDUCT ALTERNATE PLAN NOTES:**
- B1. EXISTING EXHAUST FAN SHALL BE EXISTING TO REMAIN (ETR) UNDER THE DEDUCT ALTERNATE. SEE SHEET 6-GI-105 FOR ADDITIONAL DEDUCT ALTERNATE INFORMATION.



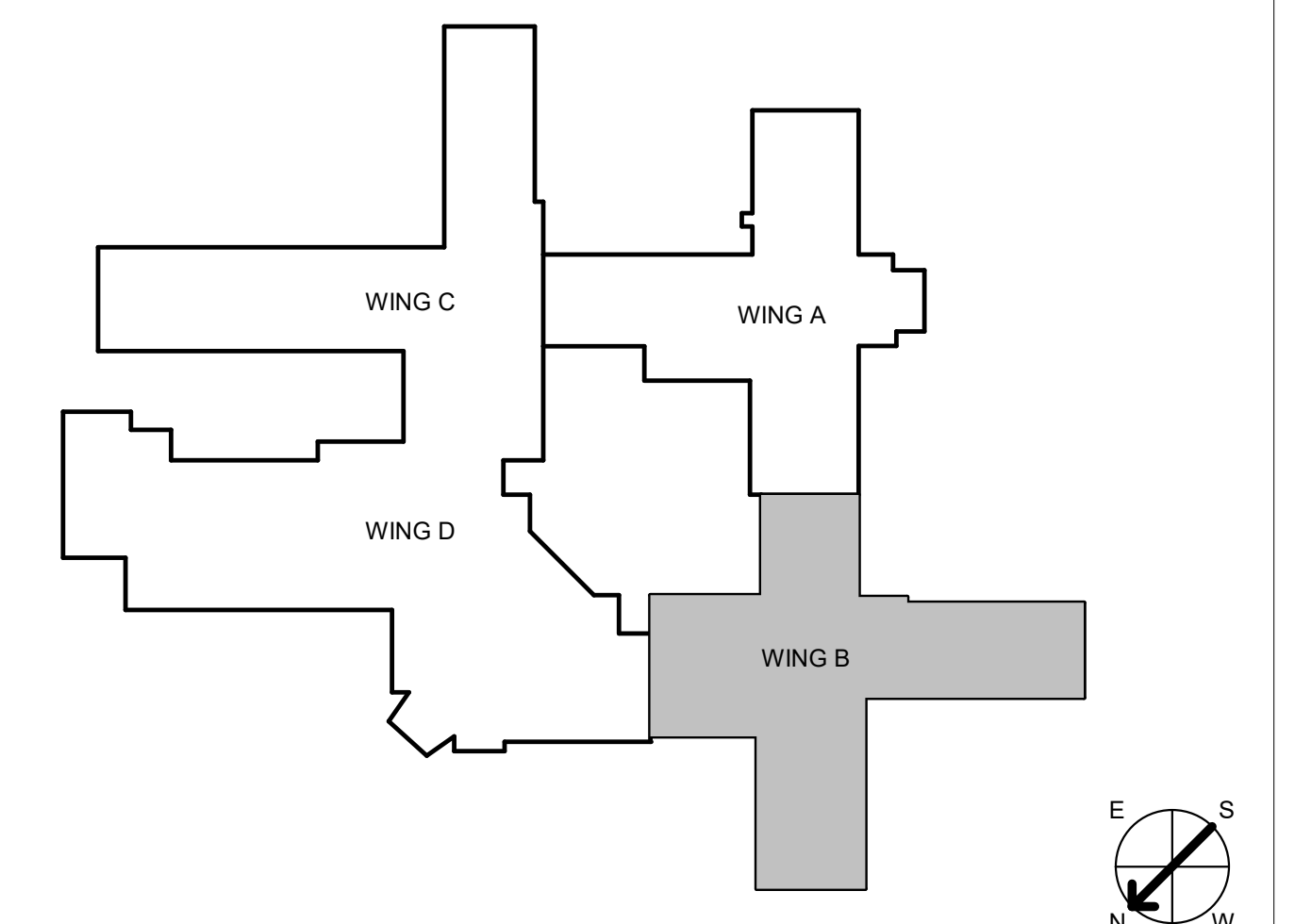
1 MECHANICAL DEMOLITION PLAN - WING A ROOF PLAN
1/8" = 1'-0"



CONSULTANT INFORMATION STRUCTURAL / CIVIL ENGINEER: STAND STRUCTURAL ENGINEERING, 11627 W. 112TH STREET, SUITE 200, OVERLAND PARK, KS 66210 (913) 214-2169 MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER: SPUR DESIGN, 11020 KING STREET, SUITE 350, OVERLAND PARK, KS 66210 (405) 842-6100 FIRE PROTECTION ENGINEER: POOLE FIRE PROTECTION, INC., 19910 W. 161ST STREET, OLATH, KS 66062 (913) 829-8650			ARCHITECT 512 SW 23th Street, Overland Park, KS 66159 11020 King Street, Suite 350, Overland Park, KS 66210 KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019		Office of Construction and Facilities Management VA U.S. Department of Veteran Affairs		SHEET TITLE: MECHANICAL DEMOLITION PLAN - WING A ROOF PLAN APPROVED: PROJECT DIRECTOR		PROJECT PHASE: BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE: RENOVATE A & B WING BUILDING 6 PROJECT LOCATION: 2200 SW GAGE BLVD. TOPEKA, KS 66622 DATE: 07/10/19 CHECKED BY: JES DRAWN BY: JAD		VA PROJECT NUMBER: 589A5-19-116 BUILDING NUMBER: 6 DRAWING NUMBER: 6-MD-102A Dwg. 97 OF 160	
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- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
 2. SEE SHEET 6-GI-001 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
 3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICERS REPRESENTATIVE BEFORE THE START OF WORK.
 4. COORDINATE MECHANICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF WORK.
- DEDUCT ALTERNATE AND PHASING GENERAL NOTES:**
1. ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
 2. IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.
- MECHANICAL DEMO PLAN NOTES:**
1. DEMOLISH EXISTING GENERAL EXHAUST FAN AND ASSOCIATED DUCTWORK AND CONTROLS AS SHOWN. PROVIDE PATCH AND REPAIR OF ROOF PENETRATIONS RESULTING FROM DEMOLISHED EQUIPMENT.
- MECHANICAL PHASING PLAN NOTES:**
1. NEW OUTSIDE AIR POWERED INTAKE HOOD SHALL BE INSTALLED IN ACCORDANCE WITH PHASING INFORMATION ON SHEET 6-GI-102. SEE SHEET 6-M-402 FOR RELATED WORK.



1 MECHANICAL DEMOLITION PLAN - WING B ROOF PLAN
1/8" = 1'-0"

CONSULTANT INFORMATION

STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 11827 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169	MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100	FIRE PROTECTION ENGINEER POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650
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ARCHITECT

KS ARCH REG. NO. A-1139, EXP. 12/31/2019
KS ENGR REG. NO. E-2586, EXP. 12/31/2019

Office of Construction and Facilities Management
VA U.S. Department of Veteran Affairs

SHEET TITLE
MECHANICAL DEMOLITION PLAN - WING B ROOF PLAN

APPROVED: PROJECT DIRECTOR

PROJECT PHASE
BID DOCUMENTS

FULLY SPRINKLERED

PROJECT TITLE
RENOVATE A & B WING BUILDING 6

PROJECT LOCATION
**2200 SW GAGE BLVD.
TOPEKA, KS 66622**

DATE
07/10/19

CHECKED BY
JES

DRAWN BY
JAD

VA PROJECT NUMBER
589A5-19-116

BUILDING NUMBER
6

DRAWING NUMBER
6-MD-102B

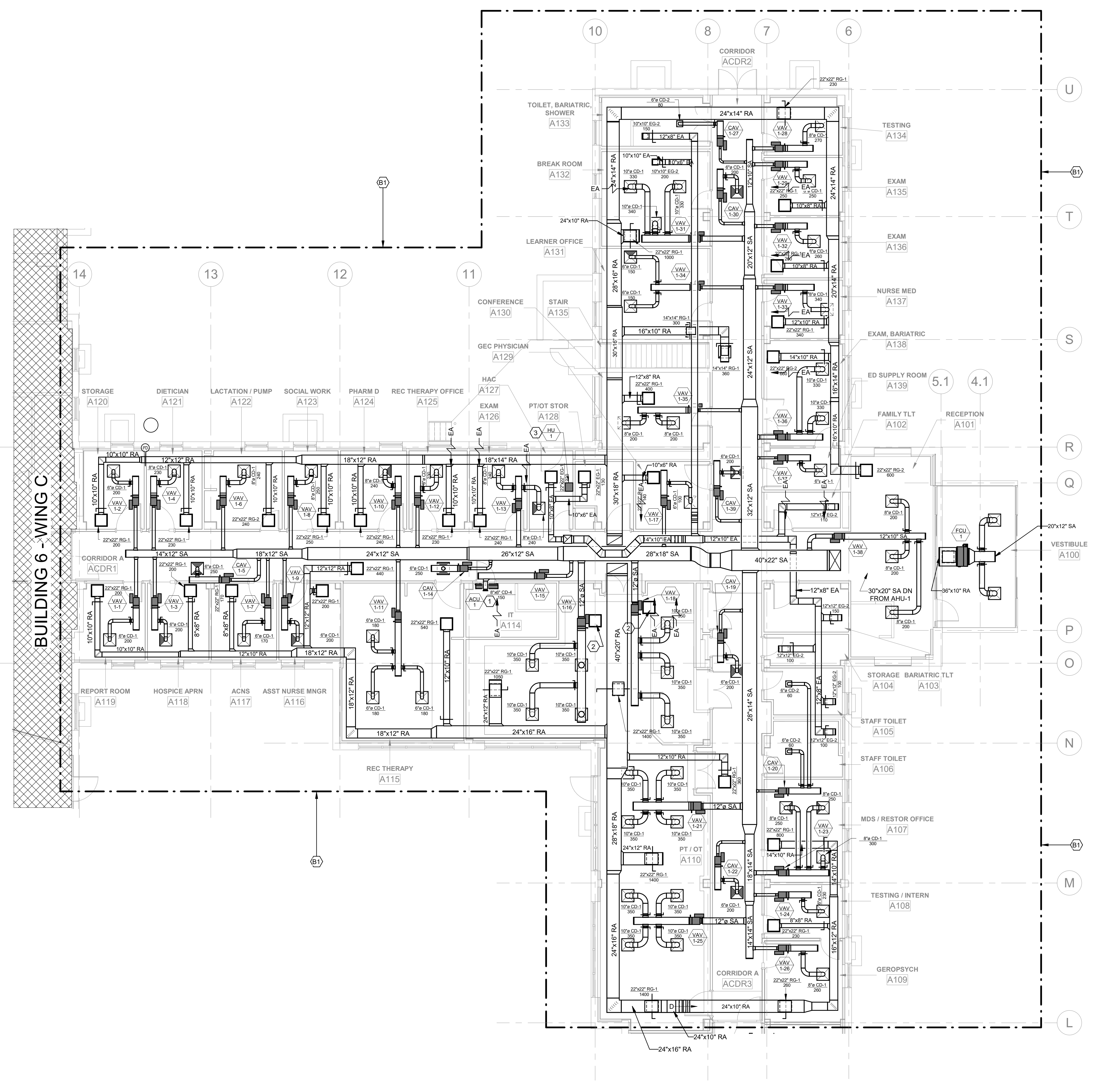
Dwg. 98 OF 160

- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
 2. SEE SHEET 6-GI-001 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
 3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
 4. COORDINATE MECHANICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF WORK.
 5. VAV BOX INLET AND OUTLET DUCTWORK SIZES SHALL MATCH UNIT INLET AND OUTLET CONNECTION SIZE UNLESS NOTED OTHERWISE ON PLAN.
 6. VAV ATU HEATING HOT WATER SUPPLY AND RETURN PIPING BRANCHES SHALL BE 3/4" UNLESS NOTED OTHERWISE ON PLAN.

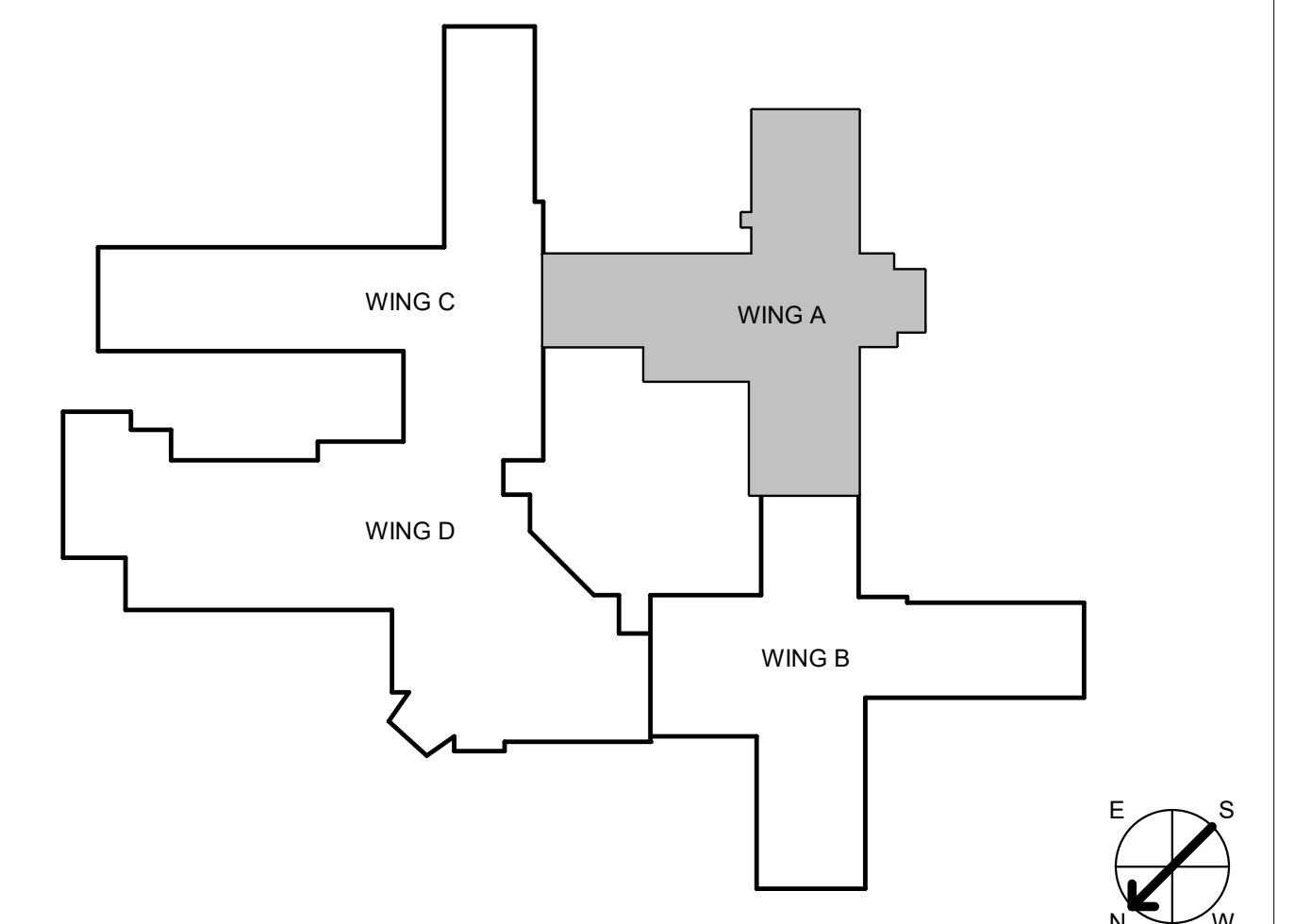
- DEDUCT ALTERNATE AND PHASING GENERAL NOTES:**
1. ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
 2. IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.

- MECHANICAL PLAN NOTES:**
1. PROVIDE DUCT THROUGH RATED WALL WITH FIRE DAMPER AND DIFFUSER AS SHOWN. EXTEND DUCT THROUGH WALL AS REQUIRED FOR INSTALLATION AND INSPECTION OF THE ASSOCIATED FIRE DAMPER.
 2. DIVISION 23 CONTRACTOR SHALL PROVIDE A RETURN GRILLE WITH NO DUCT CONNECTION FOR CEILING ACCESS AS SHOWN. ADJUST GRILLE LOCATION AS REQUIRED FOR MAINTENANCE ACCESS TO THE ASSOCIATED VARIABLE AIR VOLUME TERMINAL UNIT.
 3. ROUTE CONDENSATE FROM HUMIDIFIER TO MOP SINK.

- MECHANICAL DEDUCT ALTERNATE PLAN NOTES:**
- B1 THE AREA SHOWN AND THE ASSOCIATED MEP DESIGN IS AFFECTED BY THE DEDUCT ALTERNATE. IF ELECTED, THE CONTRACTOR SHALL REFER TO SHEETS 6-GI-105 AND 6-MH-103A FOR RELATED WORK AND INFORMATION.



1 MECHANICAL HVAC PLAN - WING A
1/8" = 1'-0"



- three inches = one foot
- one and one-half inches = one foot
- one inch = one foot
- three-quarters inch = one foot
- one-half inch = one foot
- three-eighths inch = one foot
- one-quarter inch = one foot
- one-eighth inch = one foot

CONSULTANT INFORMATION

STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 11227 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169	MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100	FIRE PROTECTION ENGINEER POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650
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ARCHITECT

SPUR DESIGN
311 10th Street, Overland Park, KS 66204
10020 King Street, Suite 350, Overland Park, KS 66210
710/2019
KANSAS PROFESSIONAL ENGINEERS

Office of Construction and Facilities Management
VA U.S. Department of Veteran Affairs

SHEET TITLE
MECHANICAL HVAC DESIGN PLAN - WING A LEVEL 1 FLOOR PLAN

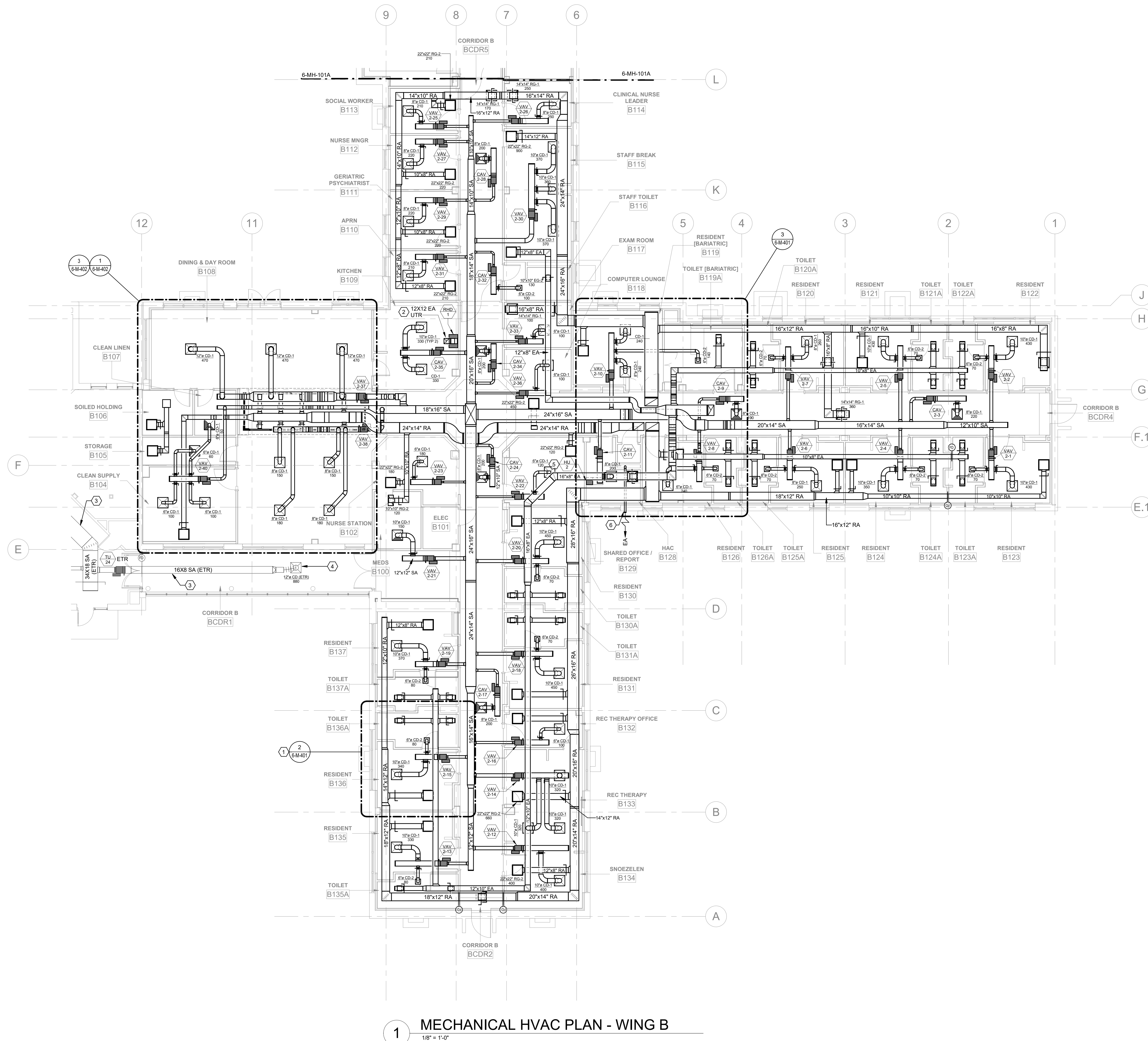
APPROVED: PROJECT DIRECTOR

PROJECT PHASE
BID DOCUMENTS

FULLY SPRINKLERED

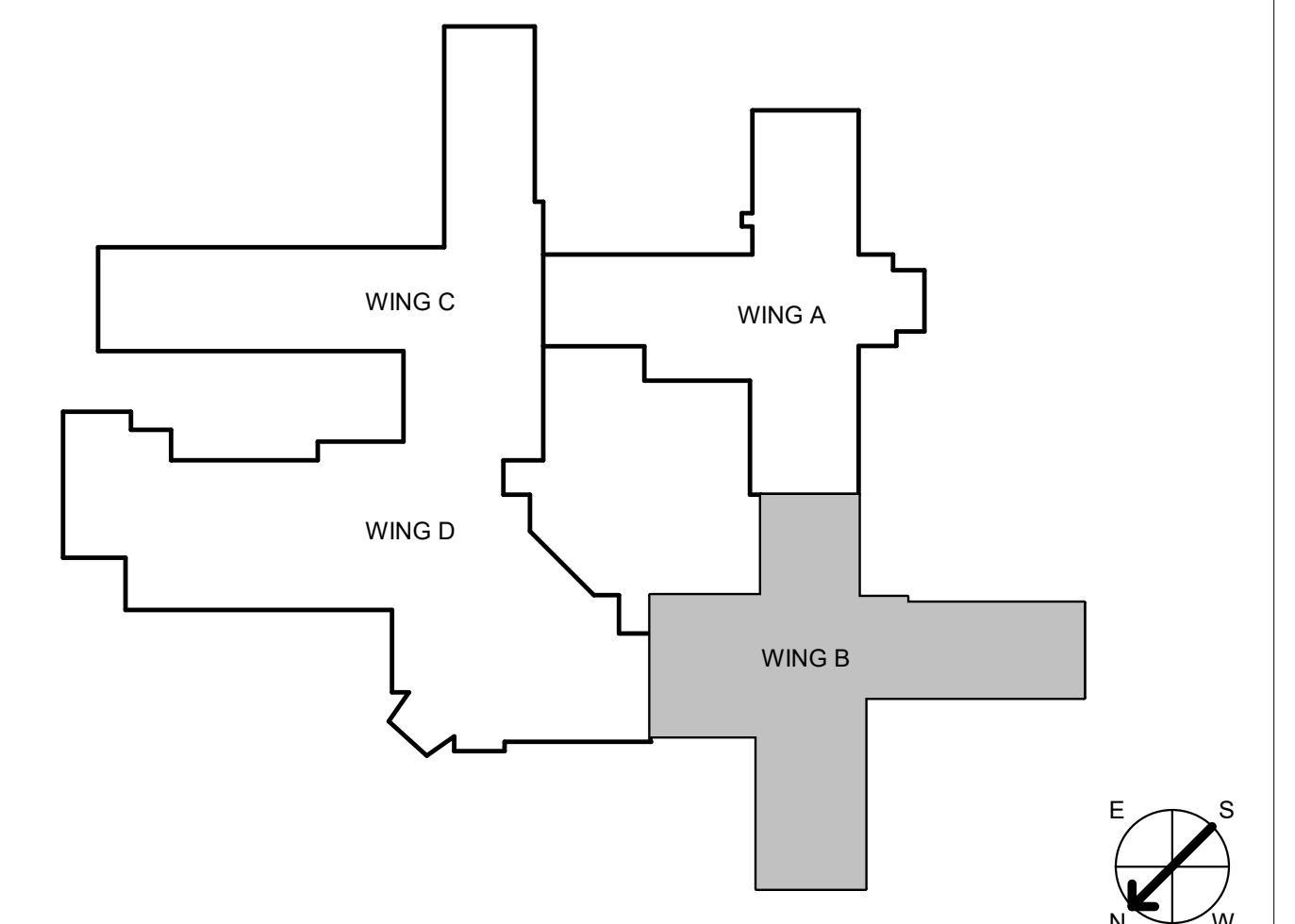
PROJECT TITLE RENOVATE A & B WING BUILDING 6		VA PROJECT NUMBER 589A5-19-116
PROJECT LOCATION 2200 SW GAGE BLVD. TOPEKA, KS 66622		BUILDING NUMBER 6
DATE 07/10/19		DRAWING NUMBER 6-MH-101A
CHECKED BY JES	DRAWN BY JAD	Dwg. 99 OF 160

three inches = one foot
one and one-half inches = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
three-eighths inch = one foot
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one-eighth inch = one foot



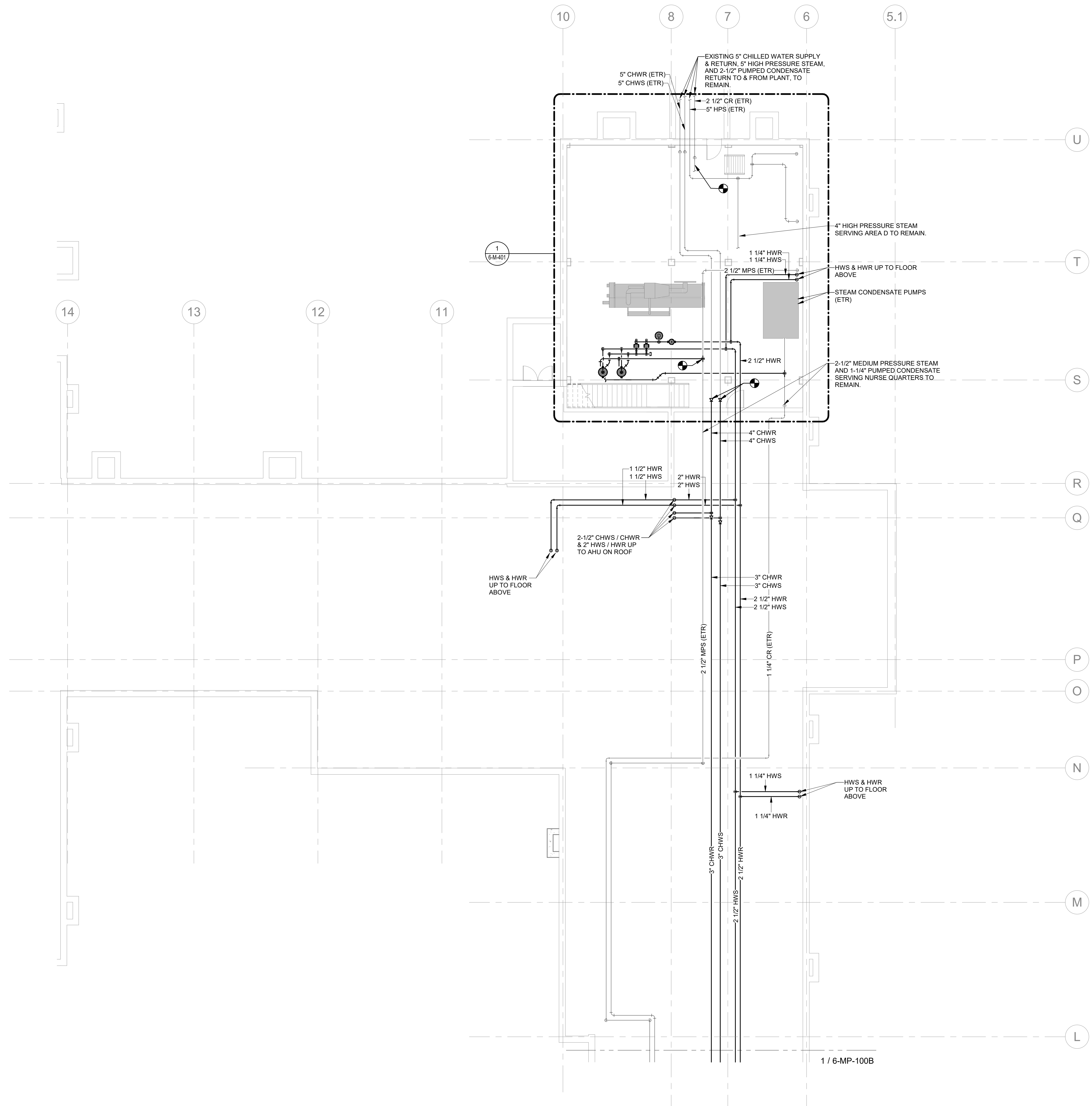
1 MECHANICAL HVAC PLAN - WING B
1/8" = 1'-0"

- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
 2. SEE SHEET 6-GI-001 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
 3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
 4. COORDINATE MECHANICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF WORK.
 5. VAV BOX INLET AND OUTLET DUCTWORK SIZES SHALL MATCH UNIT INLET AND OUTLET CONNECTION SIZE UNLESS NOTED OTHERWISE ON PLAN.
 6. VAV ATU HEATING HOT WATER SUPPLY AND RETURN PIPING BRANCHES SHALL BE 3/4" UNLESS NOTED OTHERWISE ON PLAN.
- DEDUCT ALTERNATE AND PHASING GENERAL NOTES:**
1. ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
 2. IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.
- MECHANICAL PLAN NOTES:**
1. ENLARGED PLAN 2/6-M-401 AND ASSOCIATED INFORMATION IS REPRESENTATIVE OF ALL RESIDENT ROOMS AND RESTROOMS UNLESS OTHERWISE NOTED ON 16-MH-101B.
 2. PROVIDE ZERO INCH CLEAR 12X12 EXHAUST DUCT FROM RANGE HOOD UP TO EXHAUST FAN EF 2:1 IN LOCATION SHOWN. COORDINATE DUCT ROUTING WITH ROOF STRUCTURE.
 3. SUPPLY AIR MAIN AND ASSOCIATED BRANCH EQUIPMENT, DUCTWORK, AND ACCORIES SHOWN IS SERVED FROM THE D-WING AIR HANDLING UNIT AND IS EXISTING TO REMAIN.
 4. CONTRACTOR SHALL ADJUST LOCATION AND FLEX CONNECTION OF THE EXISTING DIFFUSER AS REQUIRED TO ACCOMMODATE THE NEW ARCHITECTURAL REFLECTED CEILING PLAN. EXISTING AIR BALANCE SHALL REMAIN.
 5. ROUTE CONDENSATE FROM HUMIDIFIER TO MOP SINK.
 6. DIVISION 23 CONTRACTOR SHALL PROVIDE SIDEWALL DRYER EXHAUST VENT CAP IN LOCATION SHOWN.



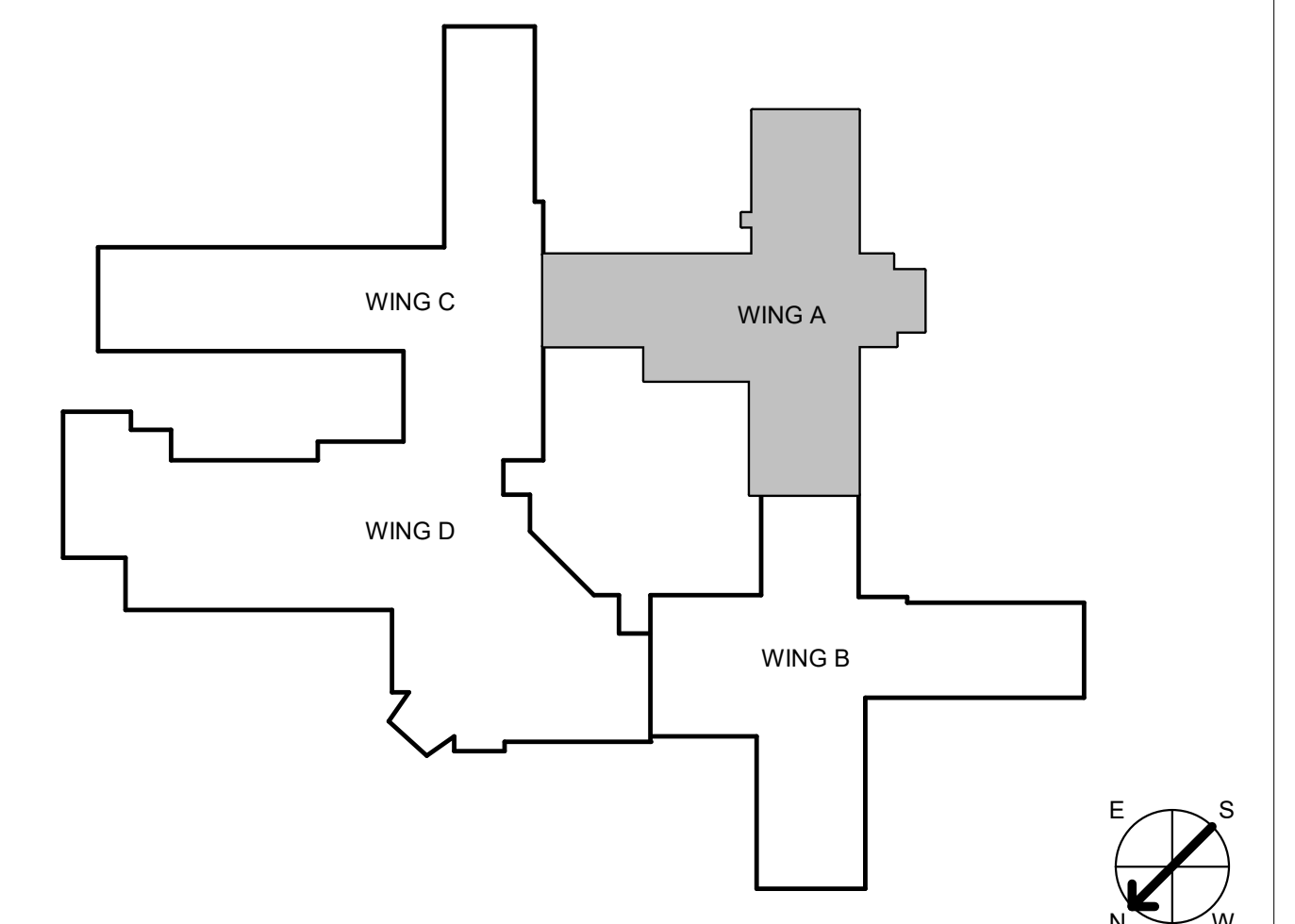
CONSULTANT INFORMATION STRUCTURAL / CIVIL ENGINEER: STAND STRUCTURAL ENGINEERING, 11227 W. 112TH STREET, SUITE 200, OVERLAND PARK, KS 66210 (913) 214-2169 MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER: SPUR DESIGN, 11020 KING STREET, SUITE 350, OVERLAND PARK, KS 66210 (405) 842-6100 FIRE PROTECTION ENGINEER: POOLE FIRE PROTECTION, INC., 19910 W. 161ST STREET, OLATH, KS 66062 (913) 829-8650		ARCHITECT 333 1st St., Overland Park, KS 66150 1000 King Street, Suite 350, Overland Park, KS 66150 KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019		Office of Construction and Facilities Management VA U.S. Department of Veteran Affairs SHEET TITLE: MECHANICAL HVAC DESIGN PLAN - WING B LEVEL 1 FLOOR PLAN APPROVED: PROJECT DIRECTOR		PROJECT PHASE: BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE: RENOVATE A & B WING BUILDING 6 PROJECT LOCATION: 2200 SW GAGE BLVD. TOPEKA, KS 66622 DATE: 07/10/19 CHECKED BY: JES DRAWN BY: JAD		VA PROJECT NUMBER: 589A5-19-116 BUILDING NUMBER: 6 DRAWING NUMBER: 6-MH-101B Dwg. 100 OF 160	
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three inches = one foot
one and one-half inches = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot

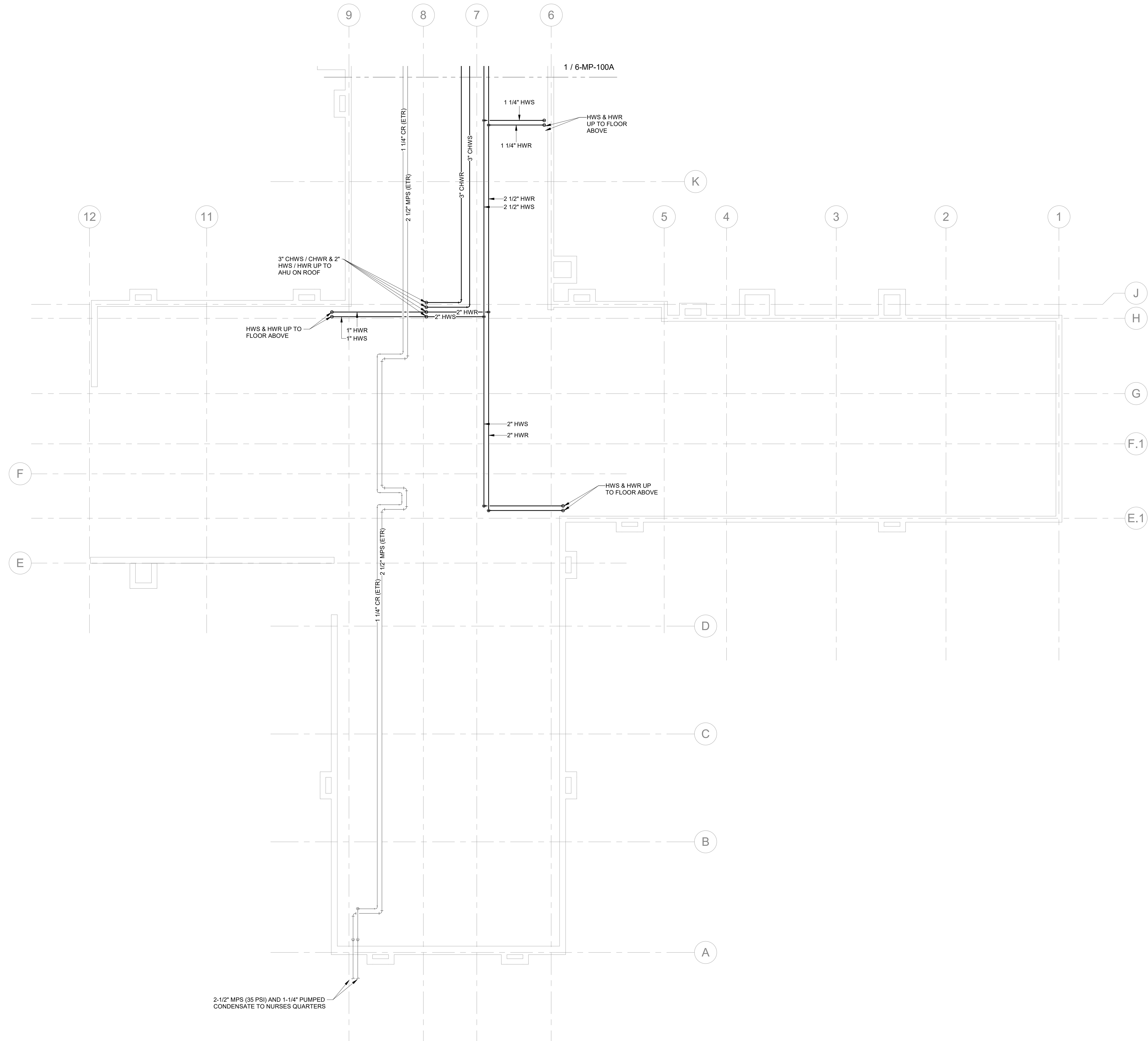


- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
 2. SEE SHEET 6-GI-001 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
 3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
 4. COORDINATE MECHANICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF WORK.
 5. VAV BOX INLET AND OUTLET DUCTWORK SIZES SHALL MATCH UNIT INLET AND OUTLET CONNECTION SIZE UNLESS NOTED OTHERWISE ON PLAN.
 6. VAV ATU HEATING HOT WATER SUPPLY AND RETURN PIPING BRANCHES SHALL BE 3/4" UNLESS NOTED OTHERWISE ON PLAN.
- DEDUCT ALTERNATE AND PHASING GENERAL NOTES:**
1. ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
 2. IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.

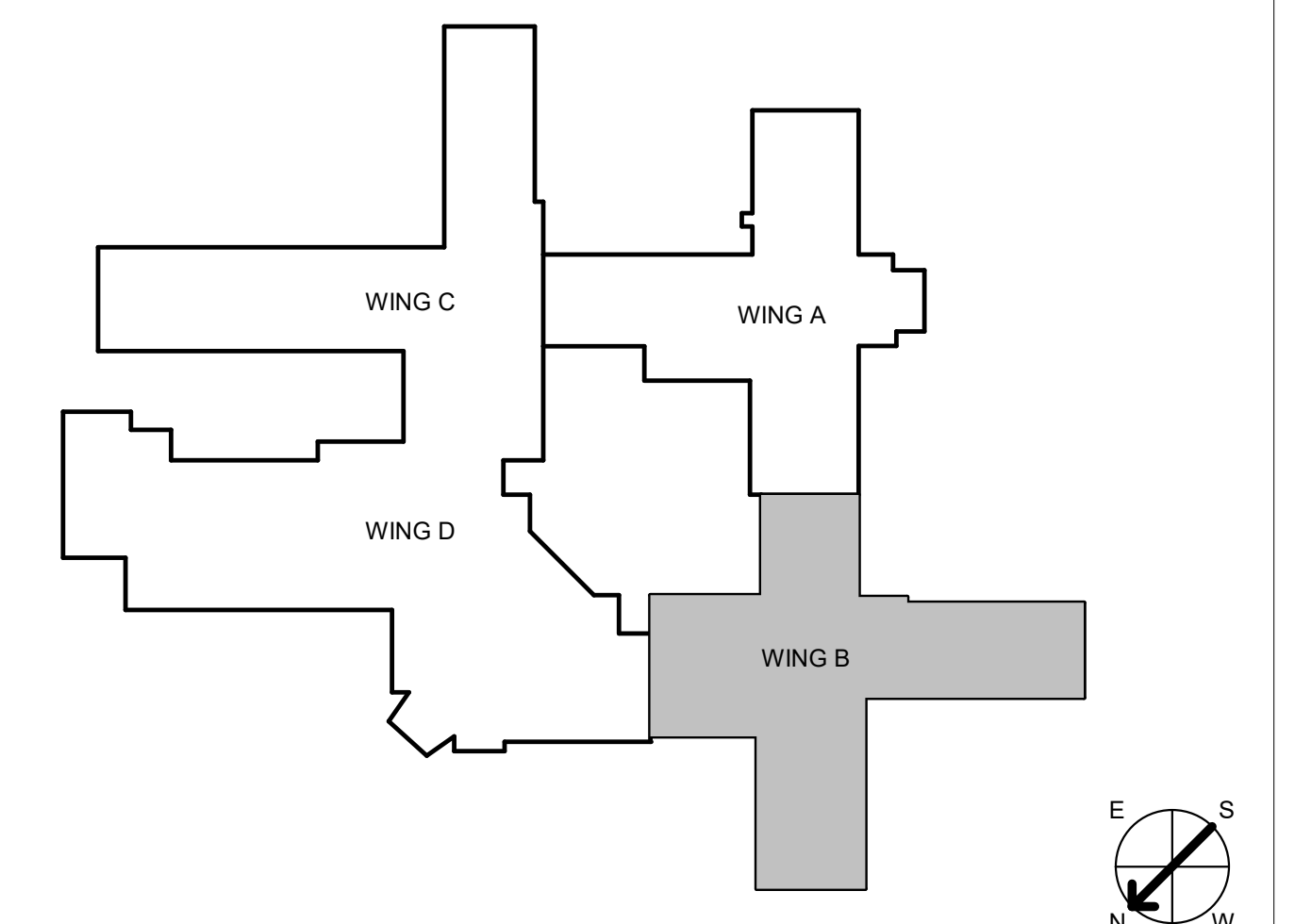
1 BASEMENT HVAC PIPING - WING A
1/8" = 1'-0"



CONSULTANT INFORMATION STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 11827 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169			MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100			FIRE PROTECTION ENGINEER POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650			ARCHITECT  512 5th Street Overland Park, KS 66209 (913) 829-8650			Office of Construction and Facilities Management U.S. Department of Veteran Affairs  DAN E. SOMMER LICENSED PROFESSIONAL ENGINEER 22162 7/10/2019 KANSAS			SHEET TITLE MECHANICAL PIPING DESIGN PLAN - WING A BASEMENT LEVEL APPROVED: PROJECT DIRECTOR			PROJECT PHASE BID DOCUMENTS FULLY SPRINKLERED			PROJECT TITLE RENOVATE A & B WING BUILDING 6 PROJECT LOCATION 2200 SW GAGE BLVD. TOPEKA, KS 66622			VA PROJECT NUMBER 589A5-19-116 BUILDING NUMBER 6 DRAWING NUMBER 6-MP-100A Dwg. 101 OF 160		
Revision # _____ Date _____		DATE 07/10/19		CHECKED BY JES		DRAWN BY CSC																				



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1 BASEMENT HVAC PIPING - WING B
1/8" = 1'-0"

CONSULTANT INFORMATION

STRUCTURAL / CIVIL ENGINEER	MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER	FIRE PROTECTION ENGINEER
STAND STRUCTURAL ENGINEERING 11827 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169	SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100	POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650

ARCHITECT

SPUR DESIGN

512 SW 23th Street
Overland Park, KS 66150
spur-design.com

11020 King Street, Suite 350
Overland Park, KS 66150
spur-design.com

KS ARCH REG. NO. A-1139, EXP. 12/31/2019
KS ENGR REG. NO. E-2586, EXP. 12/31/2019

Office of Construction and Facilities Management

VA U.S. Department of Veteran Affairs

SHEET TITLE
MECHANICAL PIPING DESIGN PLAN - WING B BASEMENT LEVEL

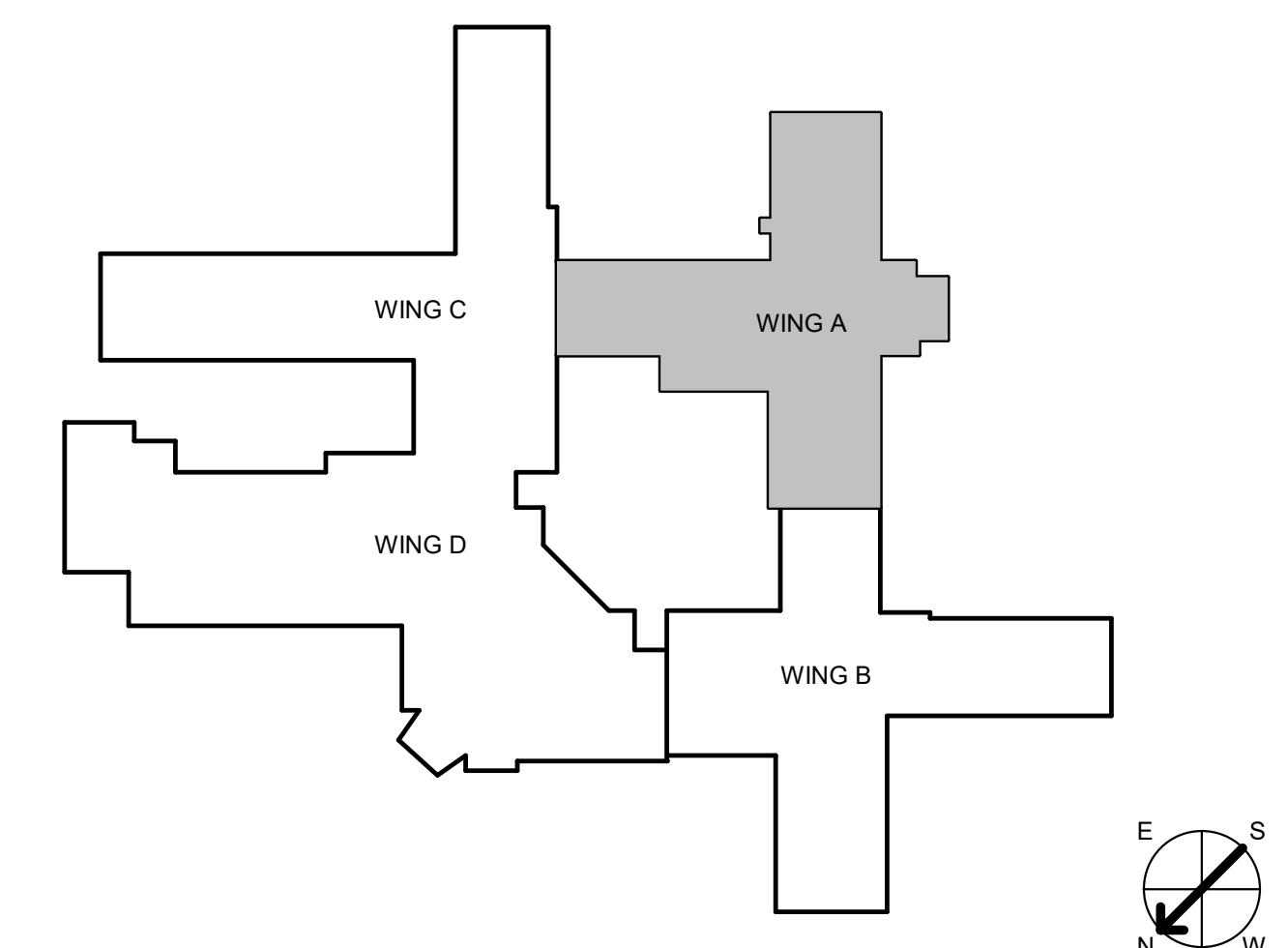
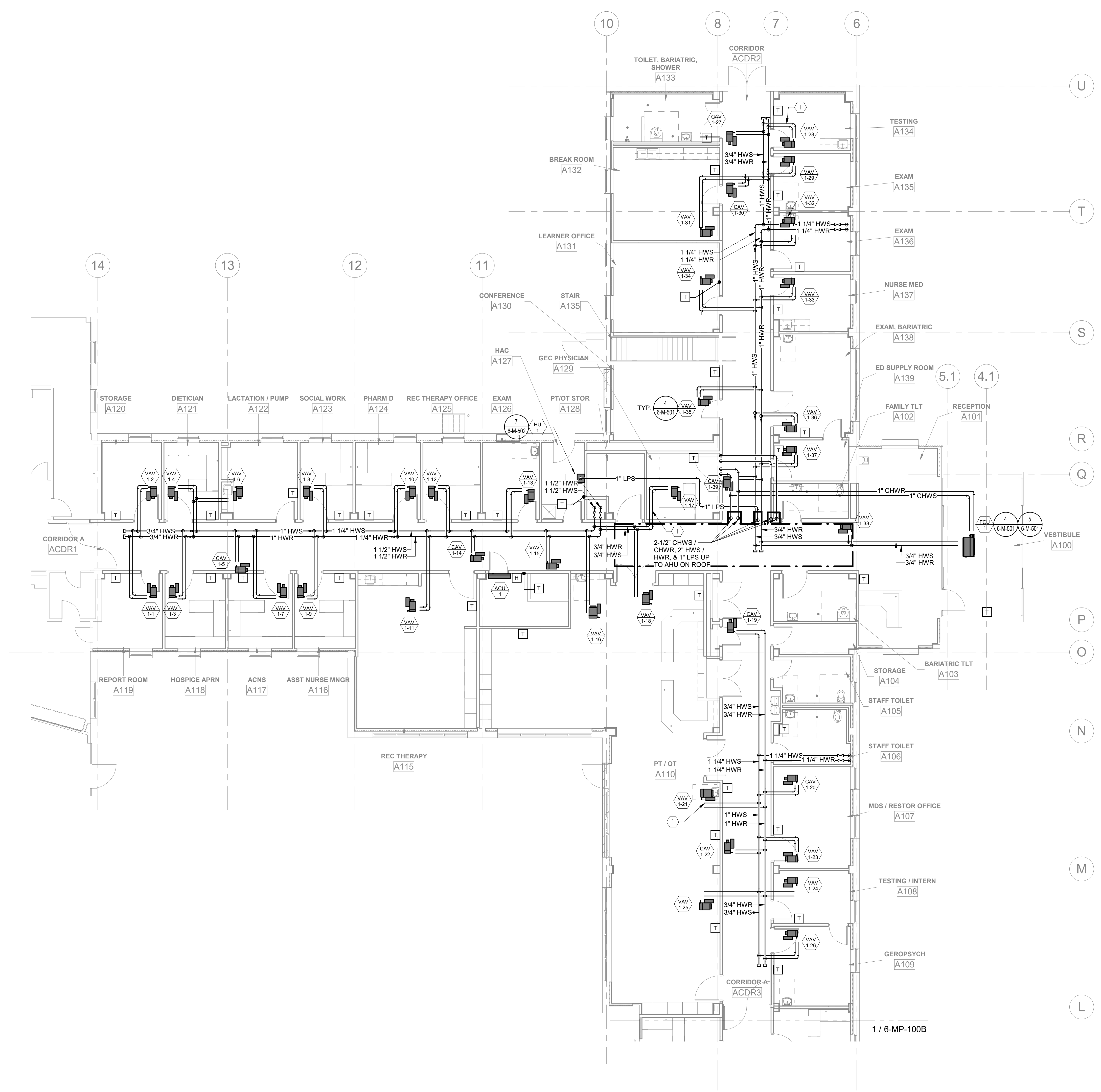
APPROVED: PROJECT DIRECTOR

PROJECT PHASE
BID DOCUMENTS

FULLY SPRINKLERED

PROJECT TITLE RENOVATE A & B WING BUILDING 6	VA PROJECT NUMBER 589A5-19-116
PROJECT LOCATION 2200 SW GAGE BLVD. TOPEKA, KS 66622	BUILDING NUMBER 6
DATE 07/10/19	DRAWING NUMBER 6-MP-100B
CHECKED BY JES	Dwg. 102 OF 160
DRAWN BY CSC	

- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
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 2. IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.
- MECHANICAL PIPING PLAN NOTES**
- 1 HEATING WATER SUPPLY AND RETURN BRANCH PIPING TO BE 3/4" UNLESS NOTED OTHERWISE.

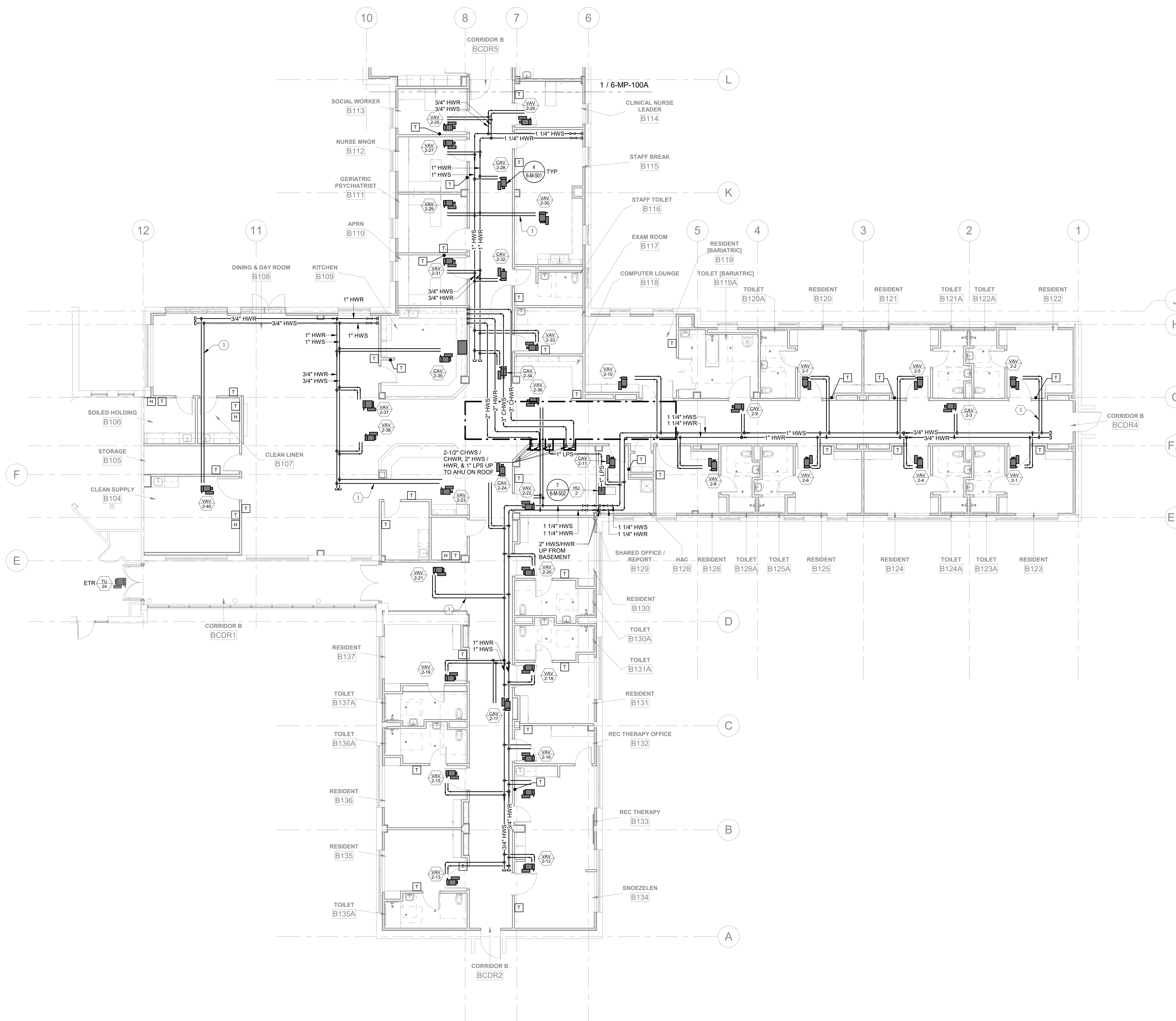


1 MECHANICAL PIPING PLAN - WING A
1/8" = 1'-0"

three-eighths inch = one foot
 one-quarter inch = one foot
 one-half inch = one foot
 three-quarters inch = one foot
 one inch = one foot
 one and one-half inches = one foot
 two inches = one foot
 three inches = one foot
 four inches = one foot
 five inches = one foot
 six inches = one foot
 seven inches = one foot
 eight inches = one foot
 nine inches = one foot
 ten inches = one foot
 eleven inches = one foot
 twelve inches = one foot
 thirteen inches = one foot
 fourteen inches = one foot
 fifteen inches = one foot

CONSULTANT INFORMATION STRUCTURAL / CIVIL ENGINEER: STAND STRUCTURAL ENGINEERING, 11827 W. 112TH STREET, SUITE 200, OVERLAND PARK, KS 66210, (913) 214-2169 MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER: SPUR DESIGN, 11020 KING STREET, SUITE 350, OVERLAND PARK, KS 66210, (405) 842-6100 FIRE PROTECTION ENGINEER: POOLE FIRE PROTECTION, INC., 19910 W. 161ST STREET, OLATH, KS 66062, (913) 829-8650			ARCHITECT 512 SW 23rd Street, Overland Park, KS 66209, spur-design.com 11020 King Street, Suite 350, Overland Park, KS 66210, spur-design.com		Office of Construction and Facilities Management VA U.S. Department of Veteran Affairs SHEET TITLE: MECHANICAL PIPING DESIGN PLAN - WING A LEVEL 1 FLOOR PLAN APPROVED: PROJECT DIRECTOR		PROJECT PHASE BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE RENOVATE A & B WING BUILDING 6 PROJECT LOCATION 2200 SW GAGE BLVD. TOPEKA, KS 66622 DATE: 07/10/19 CHECKED BY: JES DRAWN BY: CSC		VA PROJECT NUMBER 589A5-19-116 BUILDING NUMBER 6 DRAWING NUMBER 6-MP-101A Dwg. 103 OF 160	
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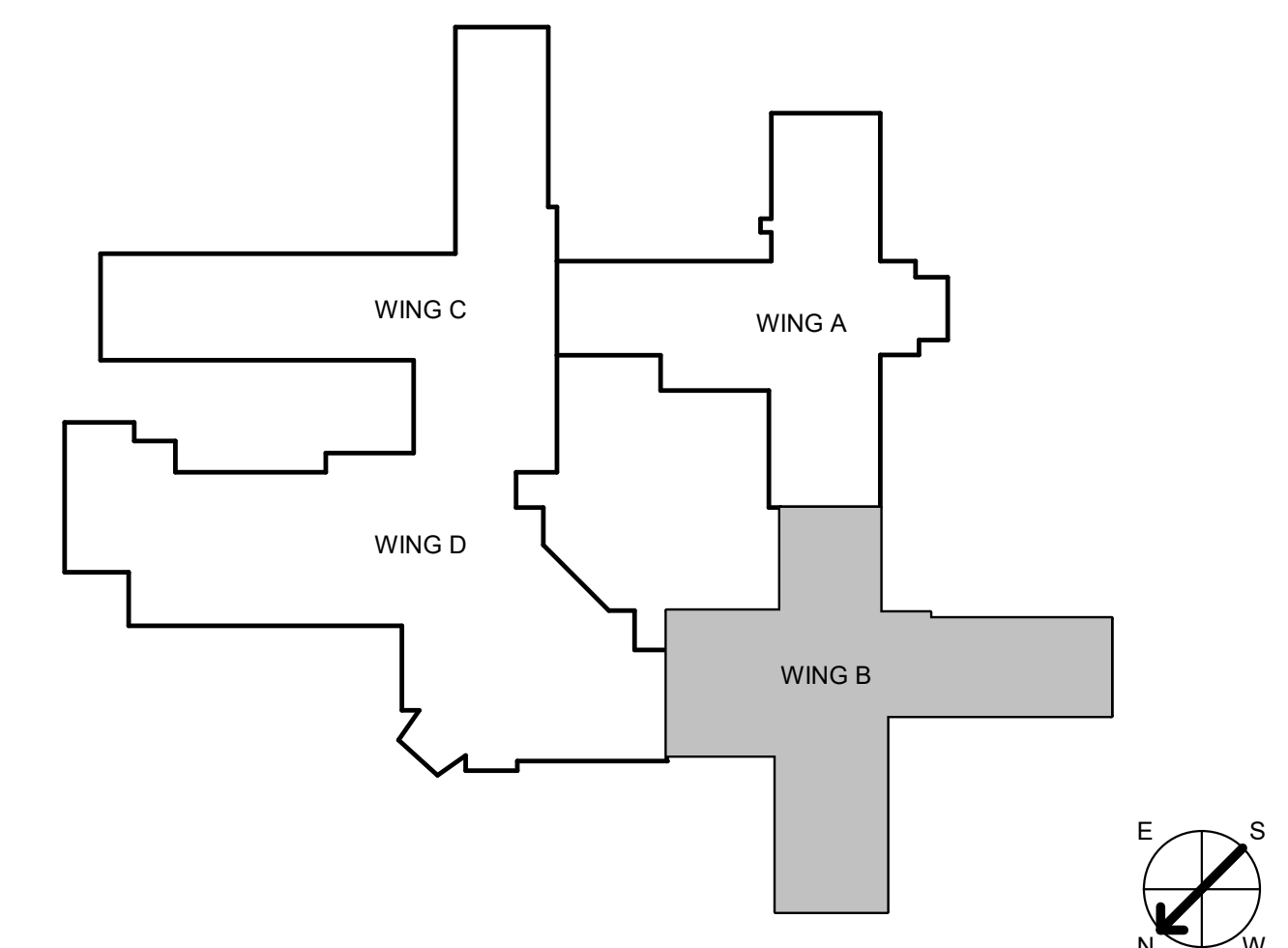
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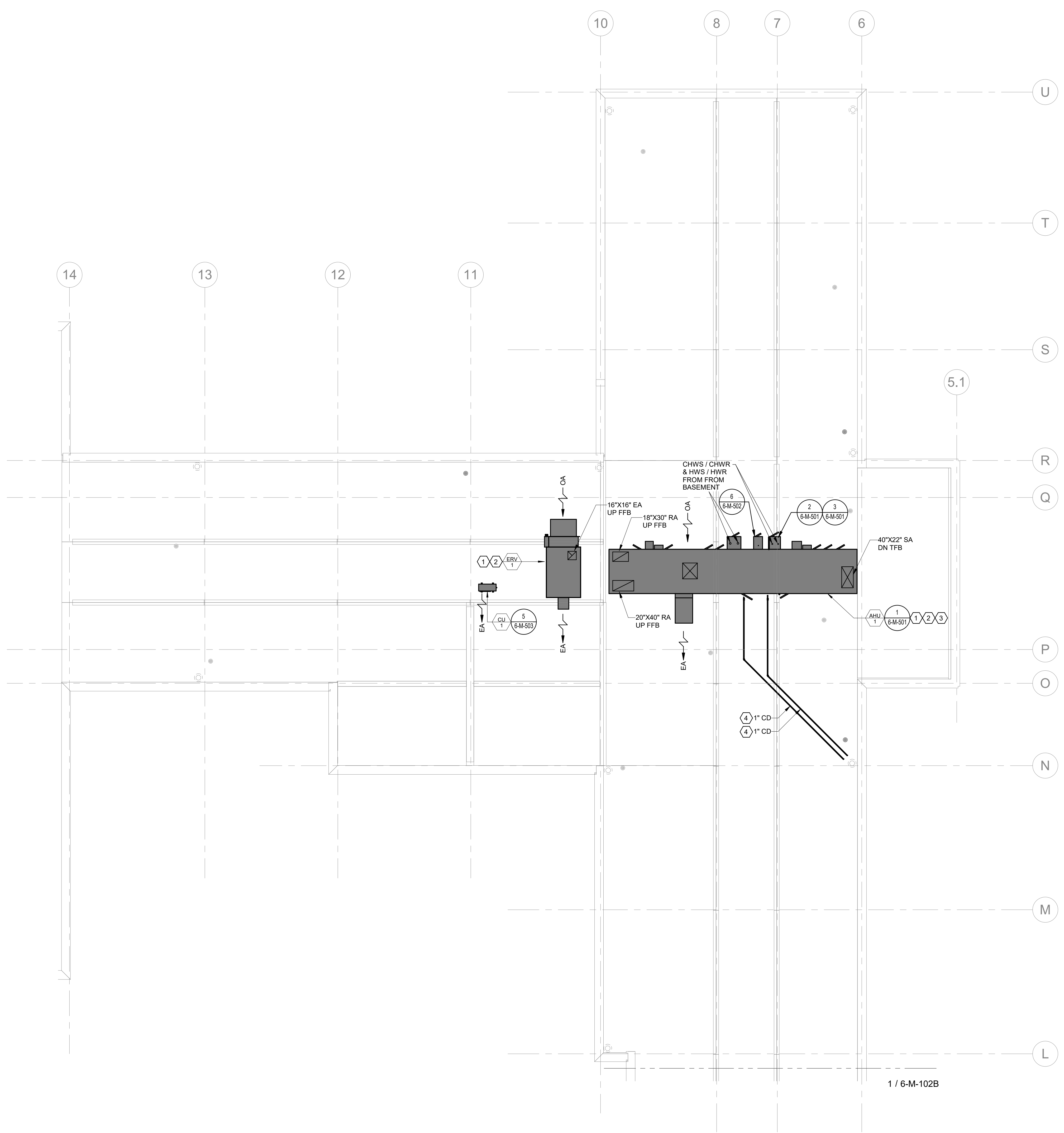
- MECHANICAL PIPING PLAN NOTES**
1. HEATING WATER SUPPLY AND RETURN BRANCH PIPING TO BE 3/4" UNLESS NOTED OTHERWISE.

1 MECHANICAL PIPING PLAN - WING B
1/8" = 1'-0"



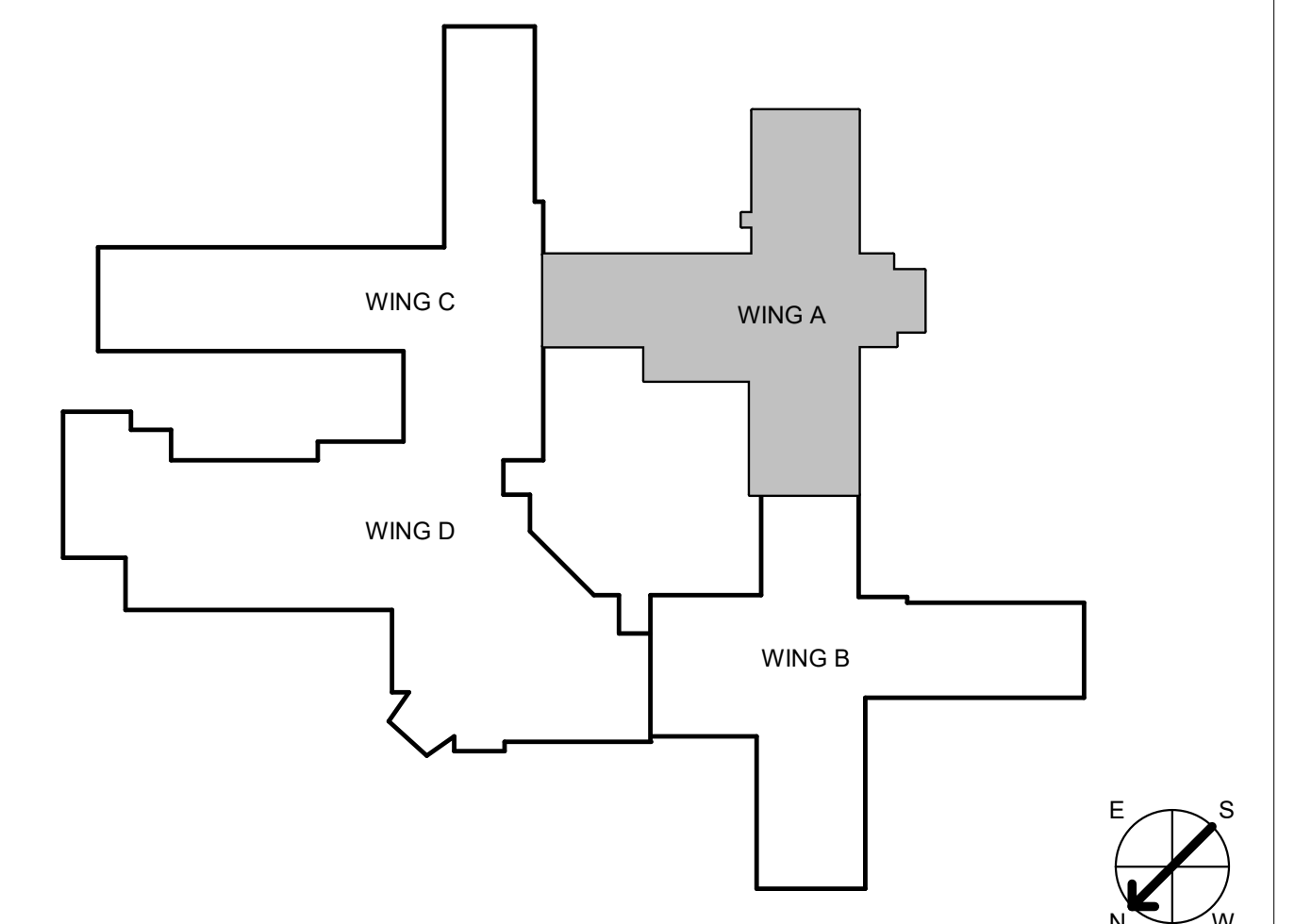
CONSULTANT INFORMATION STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 11927 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169		MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100		FIRE PROTECTION ENGINEER POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650		ARCHITECT  513 SW 23rd Street Overland Park, KS 66209 spur-design.com 10020 King Street, Suite 350 Overland Park, KS 66210 spur-design.com		Office of Construction and Facilities Management VA U.S. Department of Veteran Affairs		SHEET TITLE MECHANICAL PIPING DESIGN PLAN - WING B LEVEL 1 FLOOR PLAN APPROVED: PROJECT DIRECTOR		PROJECT PHASE BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE RENOVATE A & B WING BUILDING 6 PROJECT LOCATION 2200 SW GAGE BLVD. TOPEKA, KS 66622		VA PROJECT NUMBER 589A5-19-116 BUILDING NUMBER 6 DRAWING NUMBER 6-MP-101B Dwg. 104 OF 160	
Revision # Date				DATE 07/10/19		CHECKED BY JES		DRAWN BY CSC		DATE 07/10/19		CHECKED BY JES		DRAWN BY CSC			

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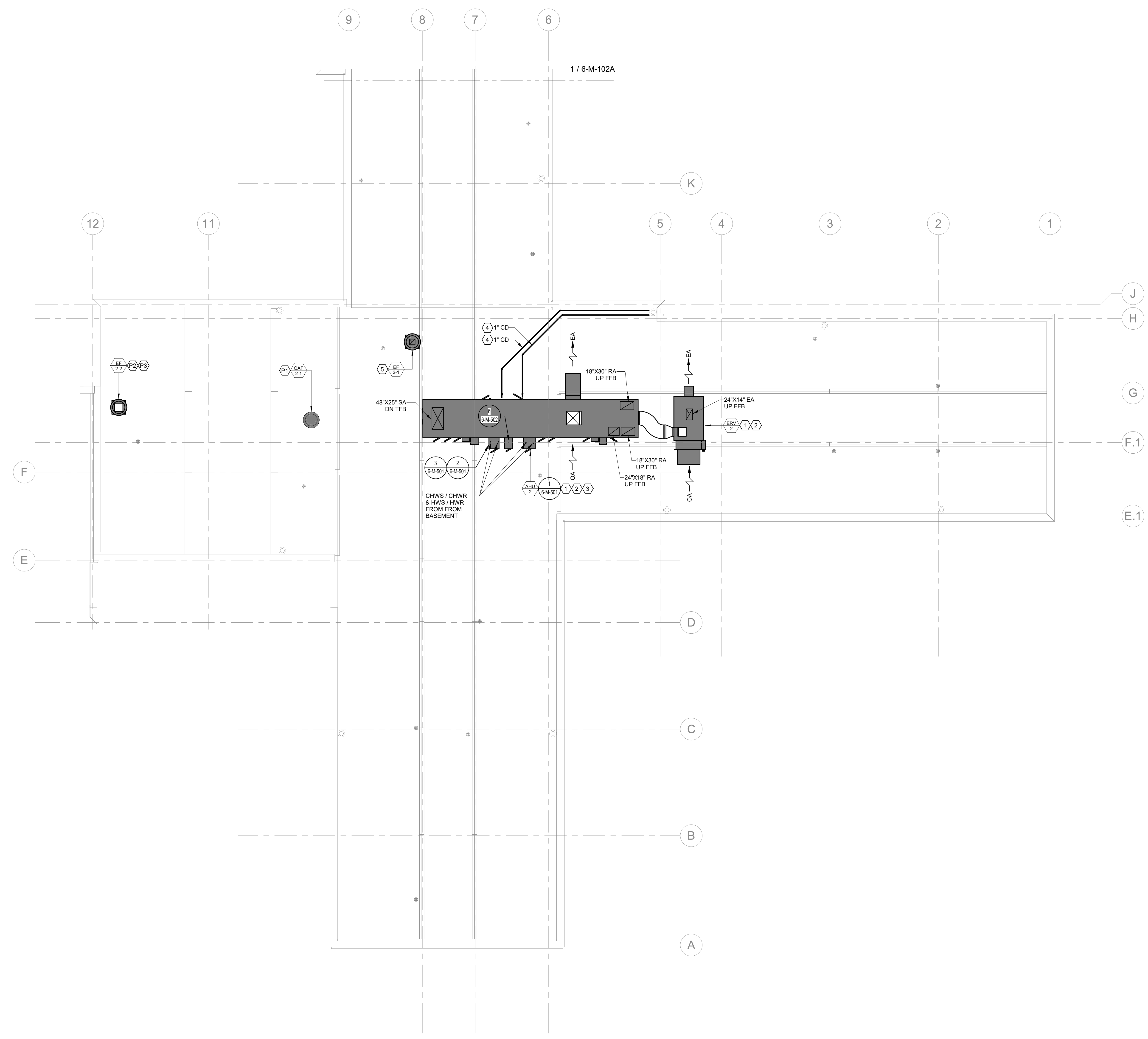
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- MECHANICAL PLAN NOTES:**
1. INSTALL NEW AIR HANDLING UNIT, ENERGY RECOVERY VENTILATOR AND ASSOCIATED PIPING, DUCTWORK, AND CONTROLS AS SHOWN. AIR HANDLING UNIT SHALL NOT BE LESS THAN THE MINIMUM WIDTH AS SCHEDULED ON SHEET 6-M-801
 2. NEW AIR HANDLING UNIT AND ENERGY RECOVERY VENTILATOR SHALL MOUNT ON A CUSTOM ROOF CURB. CURB HEIGHT SHALL BE MIN. 26" IN HEIGHT.
 3. CONTRACTOR TO PROVIDE HEAT TRACE ON ALL PIPING ABOVE ROOF LEVEL. HEAT TRACE SHALL EXTEND MIN. 6" BELOW THE ROOF SLAB.
 4. CONTRACTOR TO PROVIDE 1" CONDENSATE LINE FROM AHU TO NEAREST ROOF DRAIN. CONTRACTOR TO PROVIDE WITH PIPE SUPPORTS. SEE PLUMBING SHEETS FOR RELATED INFORMATION.

1 ROOF HVAC PLAN - WING A
 1/8" = 1'-0"



1 / 6-M-102B

CONSULTANT INFORMATION STRUCTURAL / CIVIL ENGINEER: STAND STRUCTURAL ENGINEERING, 11827 W. 112TH STREET, SUITE 200, OVERLAND PARK, KS 66210 (913) 214-2169 MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER: SPUR DESIGN, 11020 KING STREET, SUITE 350, OVERLAND PARK, KS 66210 (405) 842-6100 FIRE PROTECTION ENGINEER: POOLE FIRE PROTECTION, INC., 19910 W. 161ST STREET, OLATH, KS 66062 (913) 829-8650			ARCHITECT 512 SW 23th Street, Overland Park, KS 66159 11020 King Street, Suite 350, Overland Park, KS 66210 spur-design.com overland@spur-design.com		Office of Construction and Facilities Management U.S. Department of Veteran Affairs 		SHEET TITLE: MECHANICAL DESIGN PLAN - WING A ROOF PLAN APPROVED: PROJECT DIRECTOR		PROJECT PHASE: BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE: RENOVATE A & B WING BUILDING 6 PROJECT LOCATION: 2200 SW GAGE BLVD. TOPEKA, KS 66622 DATE: 07/10/19 CHECKED BY: JES DRAWN BY: JAD		VA PROJECT NUMBER: 589A5-19-116 BUILDING NUMBER: 6 DRAWING NUMBER: 6-M-102A Dwg. 105 OF 160	
Revision #		Date												

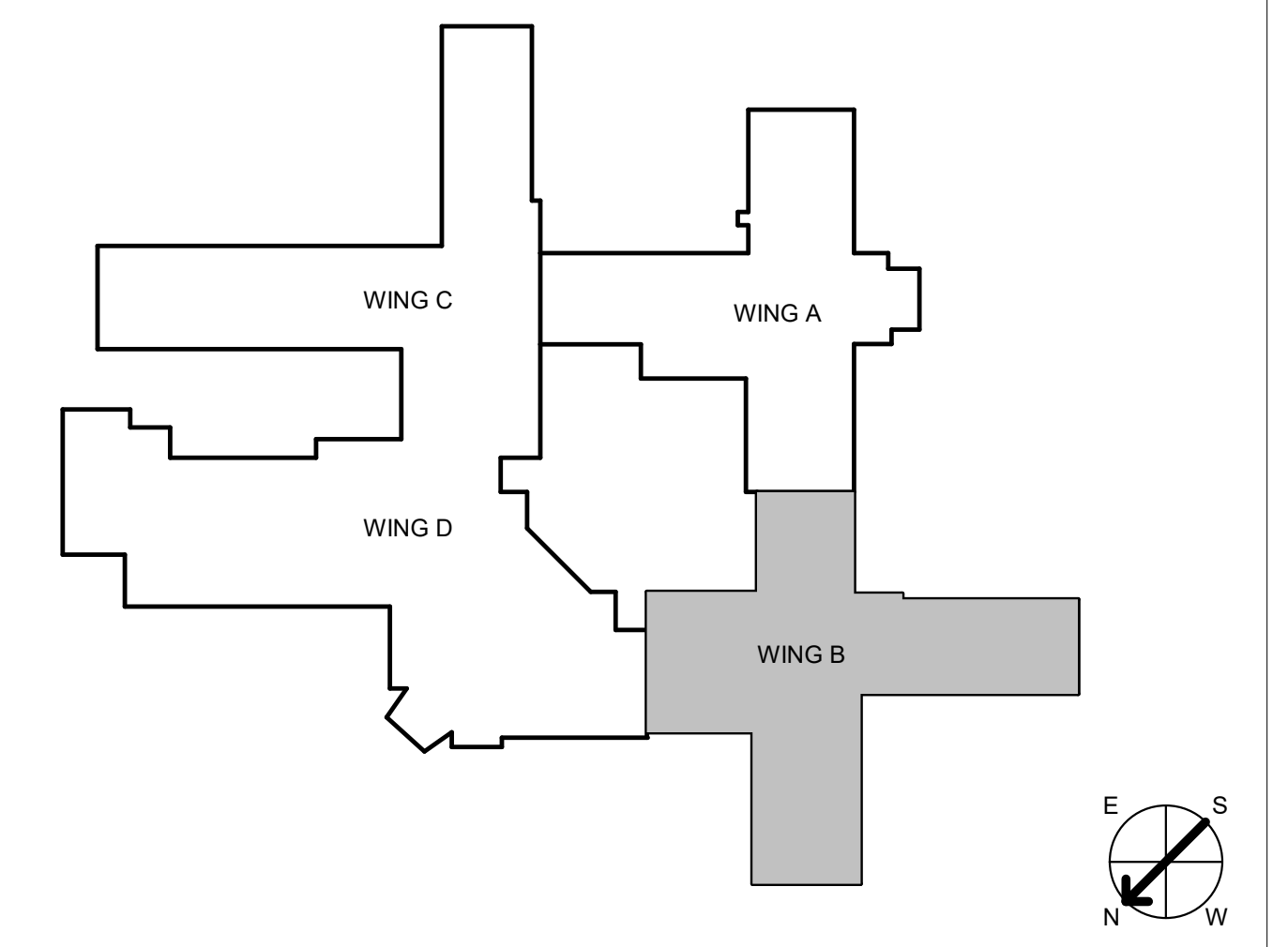


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- DUCT ALTERNATE AND PHASING GENERAL NOTES:**
1. ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
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- MECHANICAL PLAN NOTES:**
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 2. NEW AIR HANDLING UNIT AND ENERGY RECOVERY VENTILATOR SHALL MOUNT ON A CUSTOM ROOF CURB. CURB HEIGHT SHALL BE MIN. 26" IN HEIGHT.
 3. CONTRACTOR TO PROVIDE HEAT TRACE ON ALL PIPING ABOVE ROOF LEVEL. HEAT TRACE SHALL EXTEND MIN. 6" BELOW THE ROOF SLAB.
 4. CONTRACTOR TO PROVIDE 1" CONDENSATE LINE FROM AHU TO NEAREST ROOF DRAIN. CONTRACTOR TO PROVIDE WITH PIPE SUPPORTS. SEE PLUMBING SHEETS FOR RELATED INFORMATION.
 5. EXHAUST FAN CURB IS NOT VENTED.

- MECHANICAL PHASING PLAN NOTES:**
- P1: PROVIDE TEMPORARY POWERED INTAKE HOOD SHALL SERVE AS THE VENTILATION SOURCE FOR THE EXISTING B-WING PTOT ROOM IN THE LOCATION SHOWN TO ACCOMMODATE PHASING REQUIREMENTS SHOWN ON SHEET 6-GI-102.
 - P2: EXHAUST FAN EF 2-2 WITH ASSOCIATED TEMPORARY DUCTWORK SHALL BE INSTALLED IN THE LOCATION SHOWN TO TEMPORARILY SERVE THE EXISTING B-WING PTOT ROOM DURING PRE-PHASE 1. SEE SHEET 6-GI-102 FOR ADDITIONAL PHASING INFORMATION.
 - P3: THE DIVISION 23 CONTRACTOR SHALL REMOVE TEMPORARY DUCTWORK AS REQUIRED TO CONVERT EXHAUST FAN SERVICE TO THE FINAL DESIGN AS SHOWN ON SHEET 6-MH-101B.

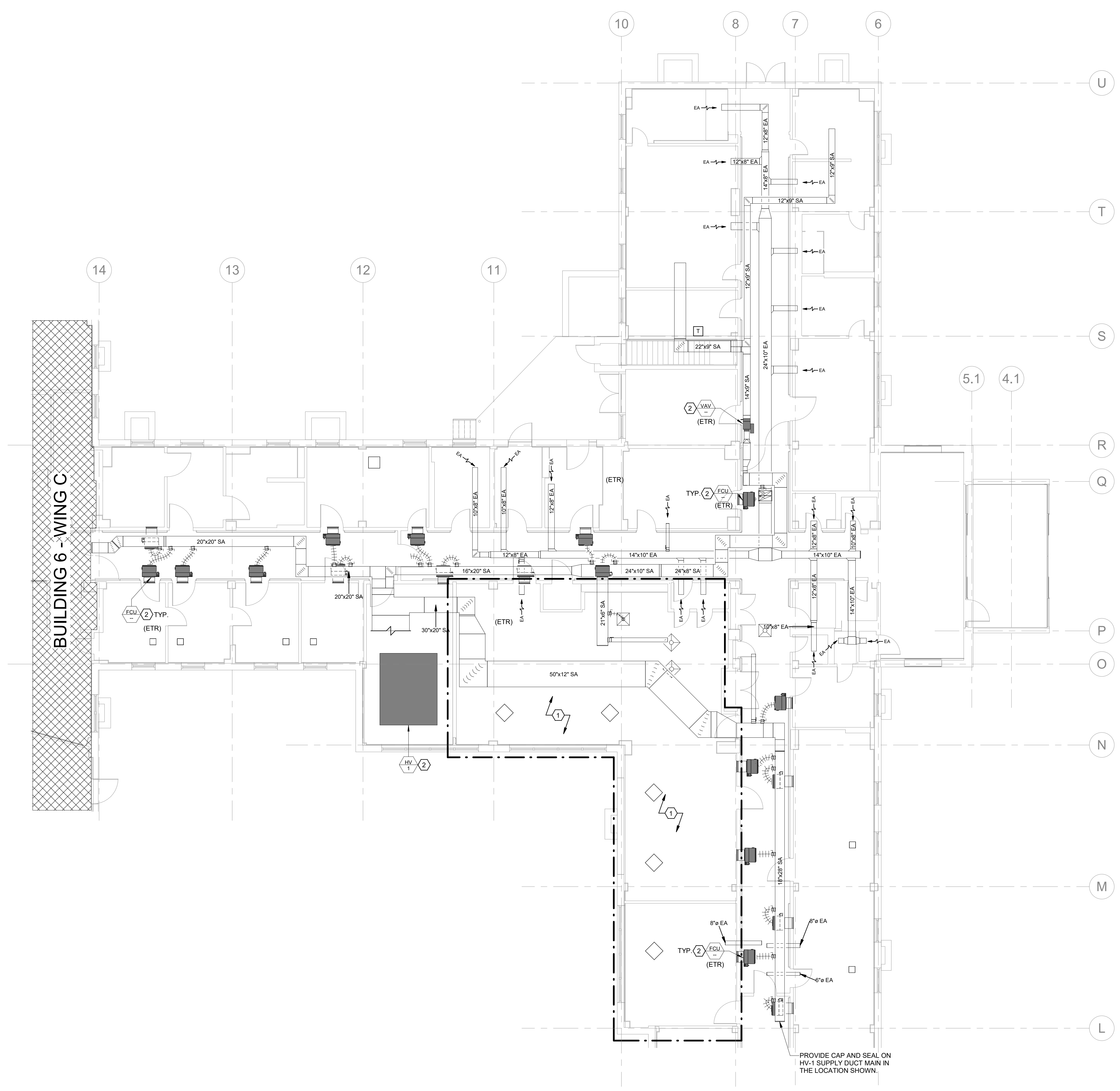


1 ROOF HVAC PLAN - WING B
1/8" = 1'-0"

CONSULTANT INFORMATION STRUCTURAL / CIVIL ENGINEER: STAND STRUCTURAL ENGINEERING, 11827 W. 112TH STREET, SUITE 200, OVERLAND PARK, KS 66210, (913) 214-2169 MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER: SPUR DESIGN, 11020 KING STREET, SUITE 350, OVERLAND PARK, KS 66210, (405) 842-6100 FIRE PROTECTION ENGINEER: POOLE FIRE PROTECTION, INC., 19910 W. 161ST STREET, OLATH, KS 66062, (913) 829-8650			ARCHITECT  512 SW 23th Street, Overland Park, KS 66150, spur-design.com 11020 King Street, Suite 300, Overland Park, KS 66150, spur-design.com		Office of Construction and Facilities Management VA U.S. Department of Veteran Affairs		SHEET TITLE: MECHANICAL DESIGN PLAN - WING B ROOF PLAN APPROVED: PROJECT DIRECTOR		PROJECT PHASE: BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE: RENOVATE A & B WING BUILDING 6 PROJECT LOCATION: 2200 SW GAGE BLVD., TOPEKA, KS 66622		VA PROJECT NUMBER: 589A5-19-116 BUILDING NUMBER: 6 DRAWING NUMBER: 6-M-102B Dwg. 106 OF 160	
Revision # Date		DATE: 07/10/19 CHECKED BY: JES DRAWN BY: JAD												

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B
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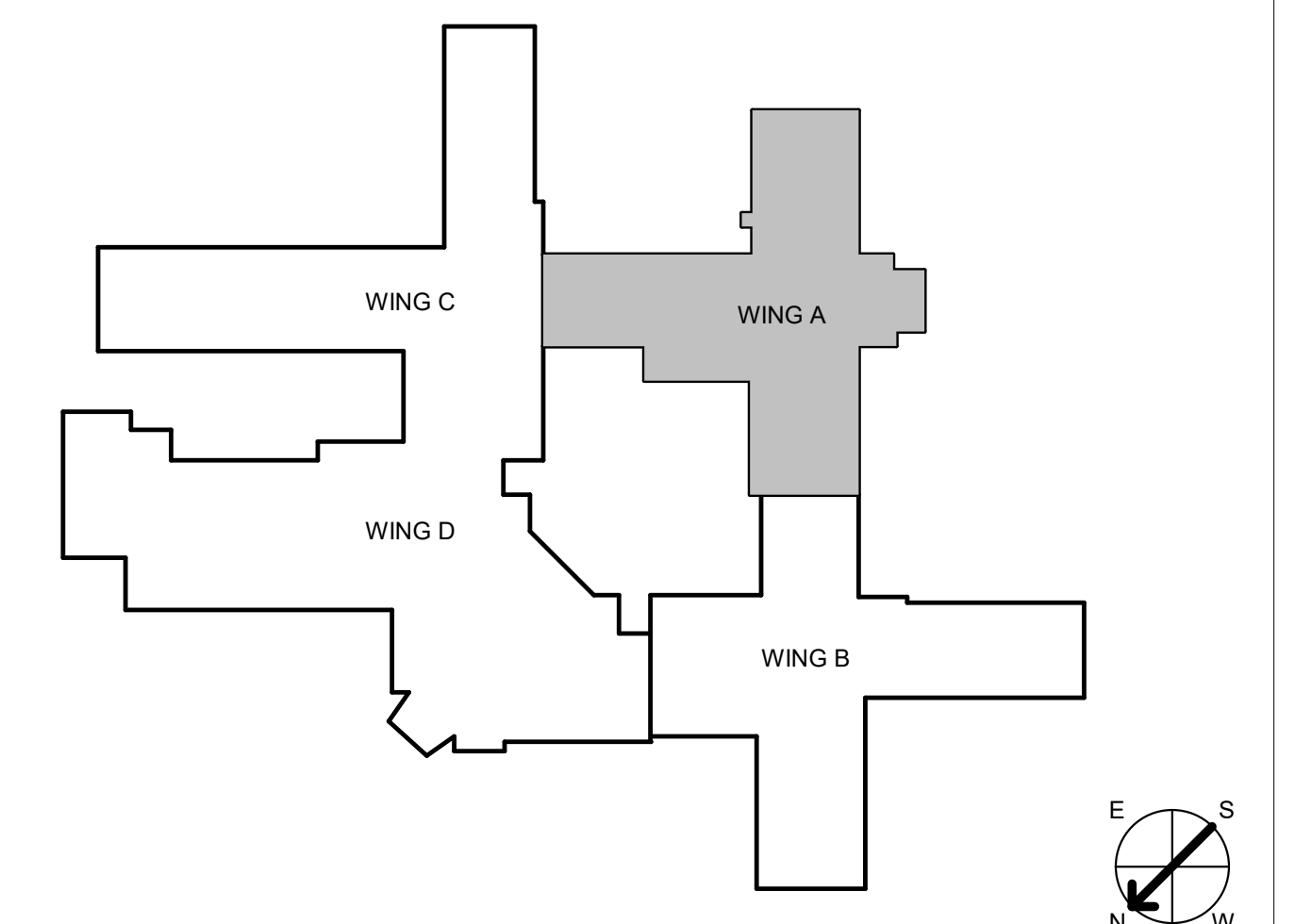
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- MECHANICAL BID ALTERNATIVE PLAN NOTES:**
1. THE SPACE SHOWN IS NOT ASSOCIATED WITH THE BID ALTERNATIVE. IF THE BID ALTERNATIVE IS ELECTED, THE EXISTING MECHANICAL SYSTEMS SERVING THIS ROOM SHALL REMAIN. RELOCATE SUPPLY, RETURN, AND EXHAUST AIR DEVICES AS REQUIRED TO ACCOMMODATE THE NEW ARCHITECTURAL REFLECTED CEILING PLAN.
 2. UPGRADE EQUIPMENT CONTROLS TO DDC AND REPLACE HYDRONIC CONTROL VALVES WITH DANFOSS PRESSURE INDEPENDENT CONTROL VALVES. SEE DETAIL 46-M-501 FOR COIL PIPING INFORMATION.



Revision #	Date

CONSULTANT INFORMATION		
STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 11927 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169	MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100	FIRE PROTECTION ENGINEER POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650

ARCHITECT

313 SW 23rd Street
Overland Park, KS 66150
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10020 King Street, Suite 300
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KS ARCH REG. NO. A-1139, EXP. 12/31/2019
KS ENGR REG. NO. E-2586, EXP. 12/31/2019

Office of Construction and Facilities Management

VA U.S. Department of Veteran Affairs

SHEET TITLE
MECHANICAL HVAC DEDUCT ALTERNATE PLAN - WING A LEVEL 1 FLOOR PLAN

APPROVED: PROJECT DIRECTOR

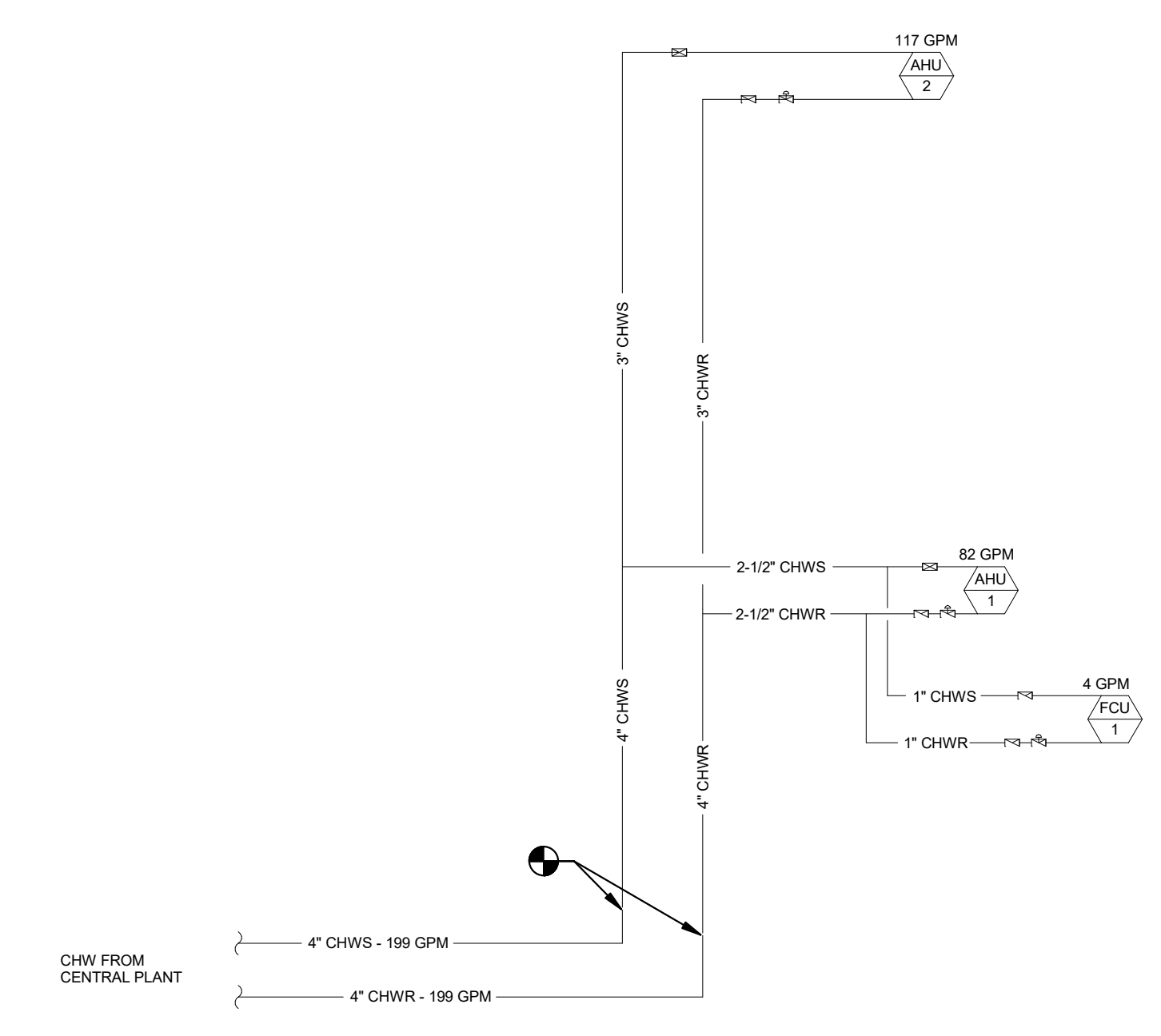
PROJECT PHASE
BID DOCUMENTS

FULLY SPRINKLERED

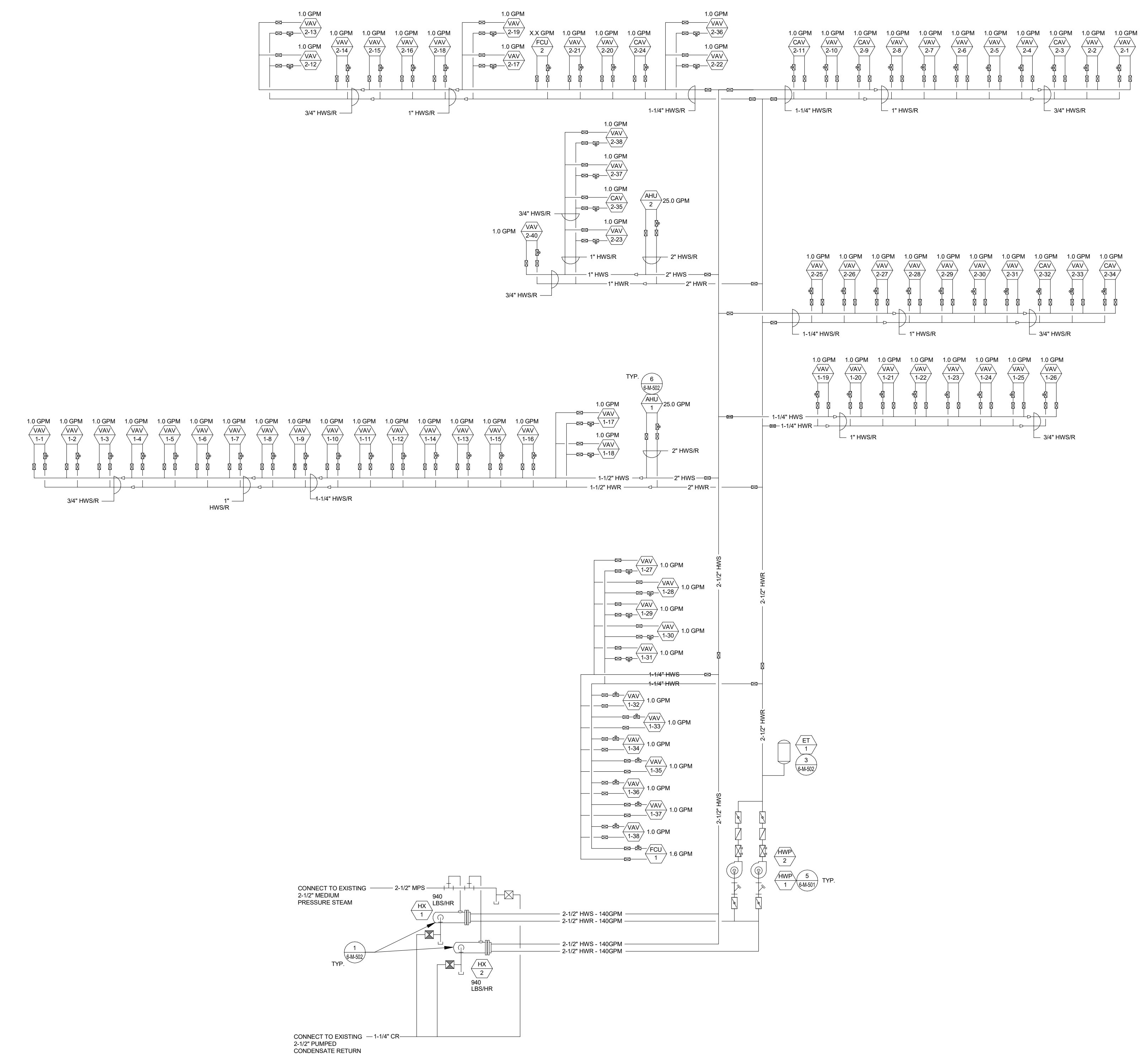
PROJECT TITLE RENOVATE A & B WING BUILDING 6		VA PROJECT NUMBER 589A5-19-116
PROJECT LOCATION 2200 SW GAGE BLVD. TOPEKA, KS 66622		BUILDING NUMBER 6
DATE 07/10/19	CHECKED BY JES	DRAWN BY JAD
DRAWING NUMBER 6-MH-103A		Dwg. 107 OF 160

three-eighths inch = one foot
 one-quarter inch = one foot
 one-half inch = one foot
 one inch = one foot
 one and one-half inches = one foot
 two inches = one foot
 three inches = one foot
 three-quarters inch = one foot
 one-half inch = one foot
 one-quarter inch = one foot
 one-eighth inch = one foot
 one-sixteenth inch = one foot

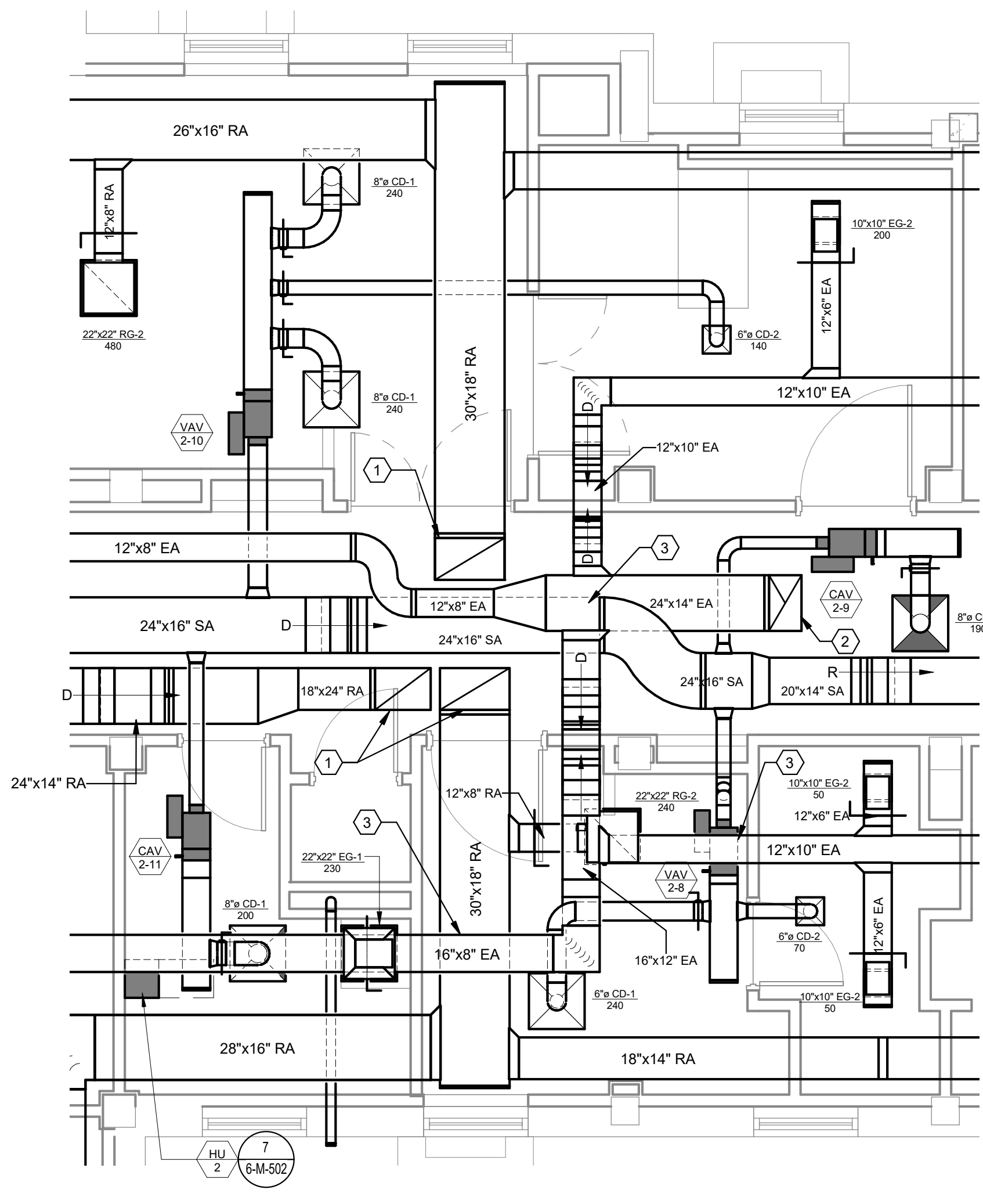
1 CHILLED WATER PIPING DIAGRAM
NTS



2 HEATING WATER PIPING DIAGRAM
NTS

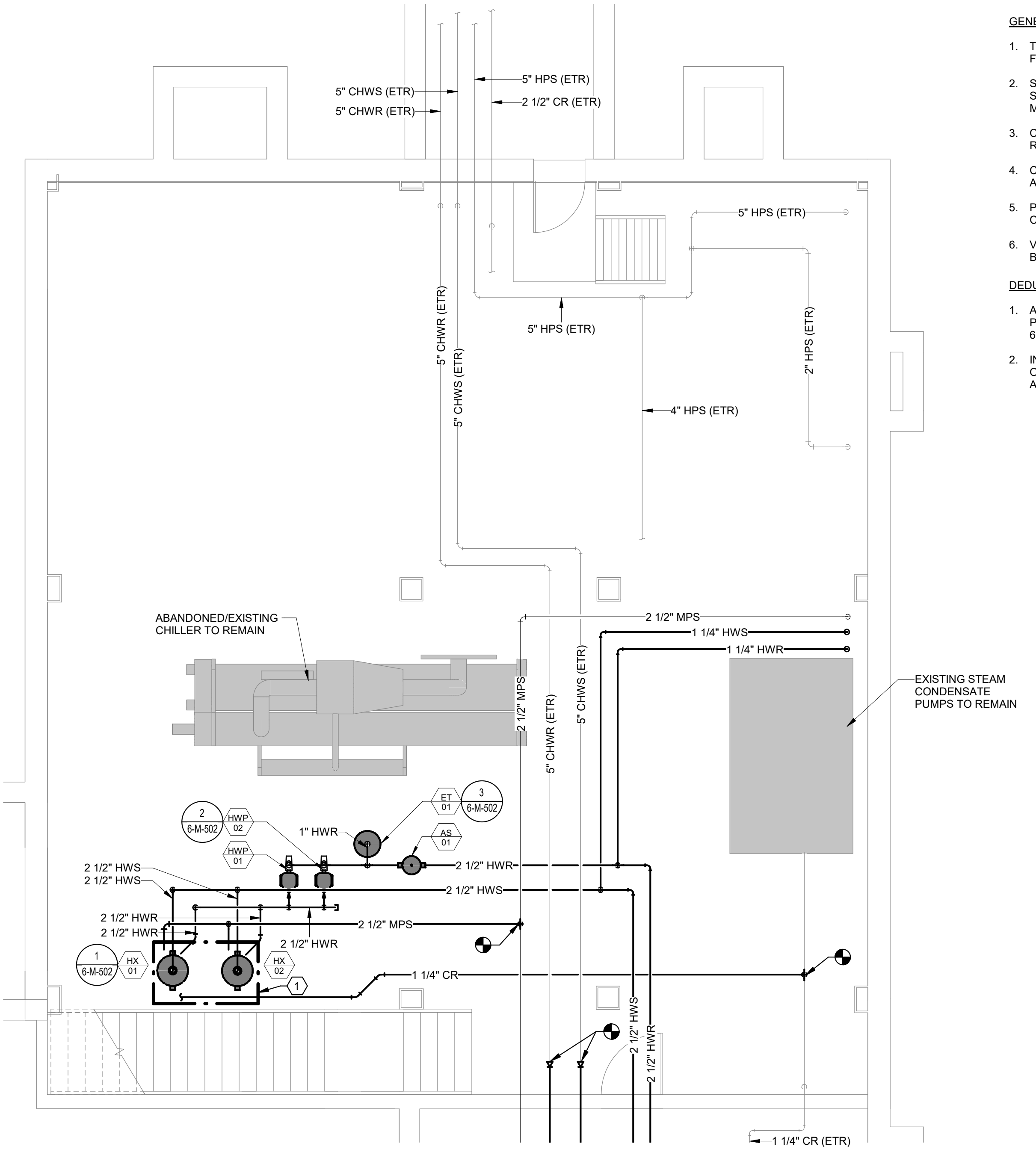


CONSULTANT INFORMATION STRUCTURAL / CIVIL ENGINEER: STAND STRUCTURAL ENGINEERING, 11827 W. 112TH STREET, SUITE 200, OVERLAND PARK, KS 66210 (913) 214-2169 MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER: SPUR DESIGN, 11020 KING STREET, SUITE 350, OVERLAND PARK, KS 66210 (405) 842-6100 FIRE PROTECTION ENGINEER: POOLE FIRE PROTECTION, INC., 19910 W. 161ST STREET, OLATH, KS 66062 (913) 829-8650			ARCHITECT 512 5th Street, Overland Park, KS 66110 10020 King Street, Suite 300, Overland Park, KS 66110 spur-design.com ovrdesign.com		Office of Construction and Facilities Management VA U.S. Department of Veteran Affairs		SHEET TITLE: MECHANICAL FLOW DIAGRAMS APPROVED: PROJECT DIRECTOR		PROJECT PHASE: BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE: RENOVATE A & B WING BUILDING 6 PROJECT LOCATION: 2200 SW GAGE BLVD. TOPEKA, KS 66622		VA PROJECT NUMBER: 589A5-19-116 BUILDING NUMBER: 6 DRAWING NUMBER: 6-M-201 Dwg. 108 OF 160	
Revision # Date		KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019				DATE: 07/10/19 CHECKED BY: JES DRAWN BY: CSC		DATE: 07/10/19 CHECKED BY: JES DRAWN BY: CSC		DATE: 07/10/19 CHECKED BY: JES DRAWN BY: CSC		DATE: 07/10/19 CHECKED BY: JES DRAWN BY: CSC		



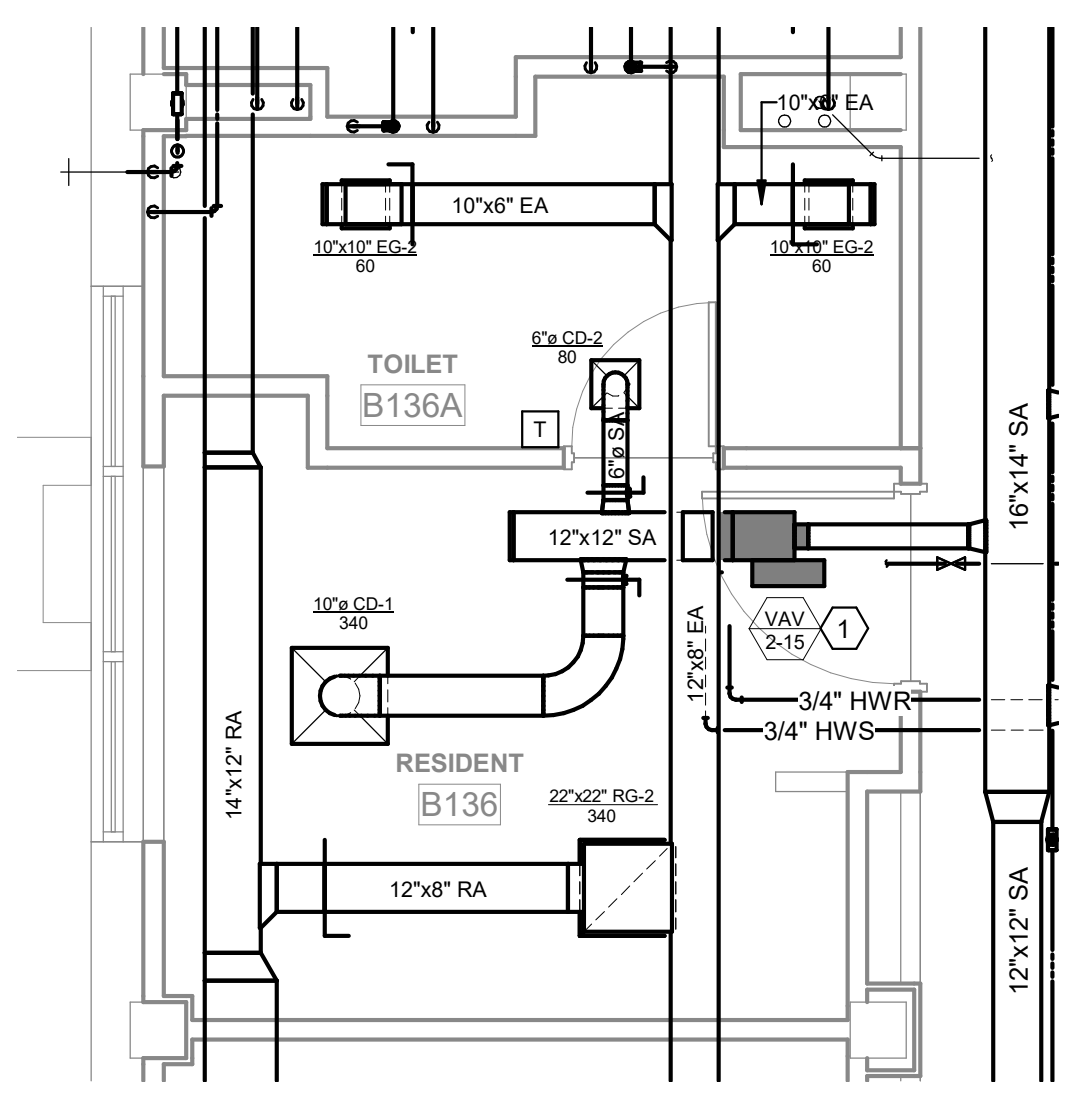
- 3/6-M-401 MECHANICAL PLAN NOTES:**
- RETURN DUCT UP THROUGH ROOF TO AHU-2. SEE DETAIL X/6-M-50X FOR RELATED WORK.
 - 24x14 EXHAUST DUCT UP INTO CUSTOM ROOF CURB. SEE DETAIL X/6-M-50X FOR RELATED WORK.
 - ROUTE EXHAUST DUCTWORK ABOVE SUPPLY AND RETURN DUCTWORK AND EQUIPMENT NEAR ROOF SLAB IN LOCATION(S) SHOWN.

3 ENLARGED MECHANICAL HVAC PLAN
1/4" = 1'-0"



- 1/6-M-401 MECHANICAL PLAN NOTES:**
- REFERENCE DETAILS 4/6-M-502 AND 5/6-M-502 FOR DRIP AND STEAM TRAP INFORMATION.

1 ENLARGED BASEMENT MECHANICAL ROOM PIPING PLAN
1/4" = 1'-0"

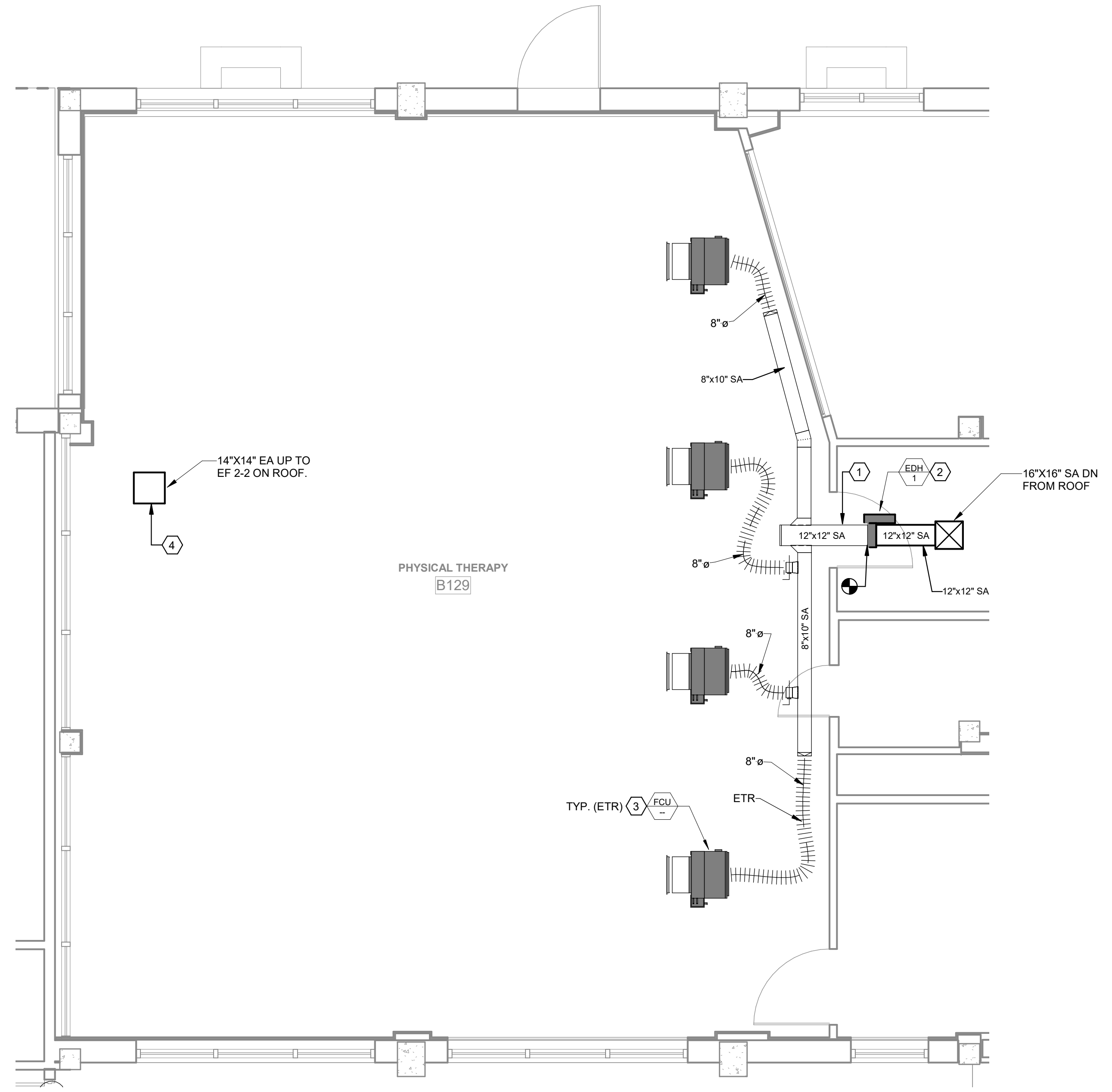


- 2/6-M-401 MECHANICAL PLAN NOTES:**
- COORDINATE INSTALLATION OF EQUIPMENT, DUCTWORK, AND ACCESSORIES WITH THE PATIENT LIFT AND ASSOCIATED STRUCTURAL SUPPORTS.

2 ENLARGED MECHANICAL HVAC PLAN - TYPICAL B-WING RESIDENT ROOM
1/4" = 1'-0"

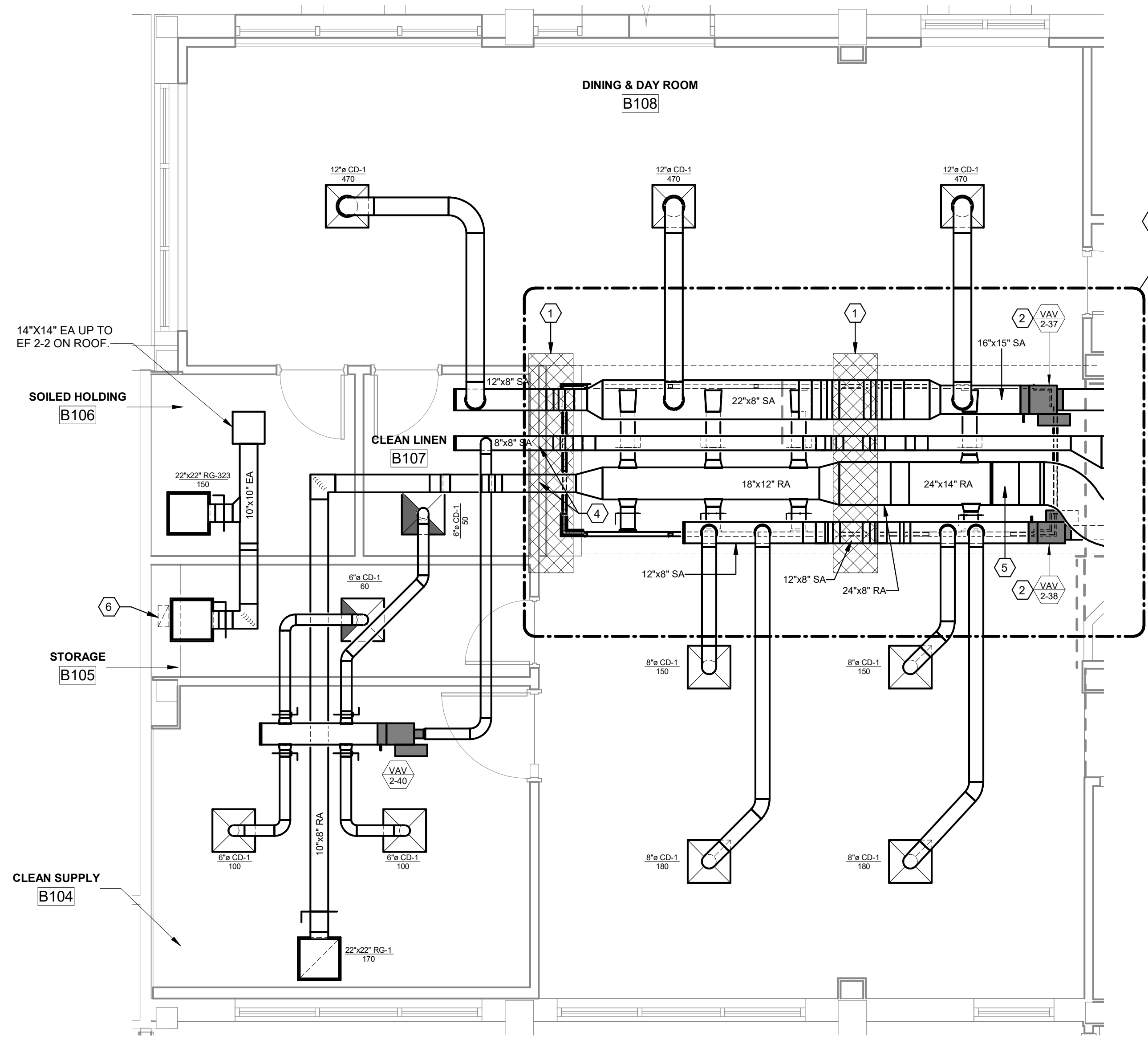
- GENERAL NOTES:**
- THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
 - SEE SHEET 6-GI-001 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
 - COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
 - COORDINATE MECHANICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF WORK.
 - PROVIDE TRANSITION FROM VAV BOX INLET AND OUTLET CONNECTIONS TO THE SIZES SCHEDULED ON SHEET 6-M-602.
 - VAV ATU HEATING HOT WATER SUPPLY AND RETURN PIPING BRANCHES SHALL BE 3/4" UNLESS NOTED OTHERWISE ON PLAN.
- DEDUCT ALTERNATE AND PHASING GENERAL NOTES:**
- ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
 - IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.

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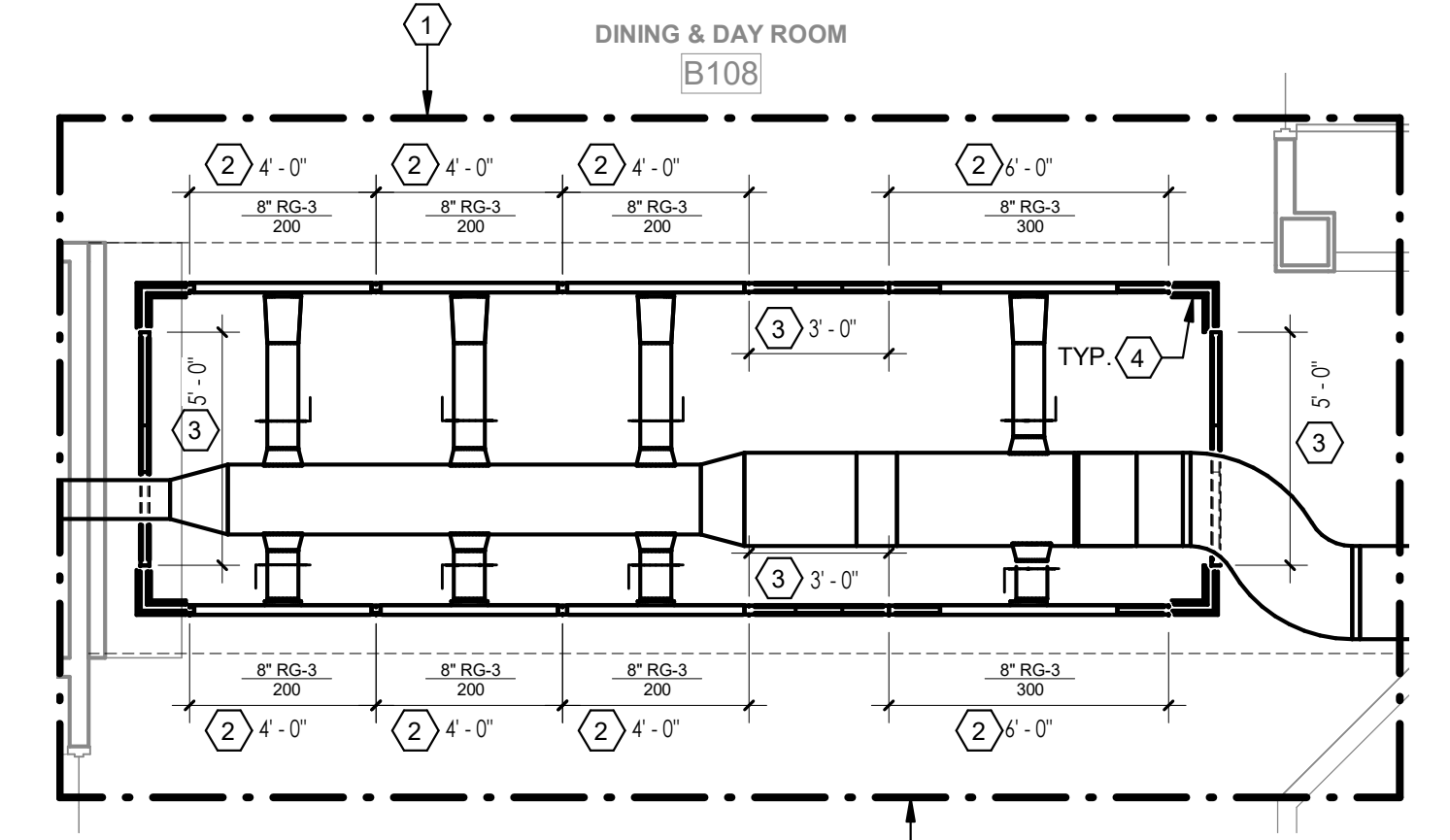
- 3/6-M-402 MECHANICAL PHASING PLAN NOTES:**
1. DEMOLISH SUPPLY AIR DUCTWORK TO THE PHASE 1 LIMIT OF DEMOLITION SHOWN ON SHEET 6-MHD101B AND PROVIDE NEW DUCT DOWN FROM OAF 2-1 ON ROOF AS SHOWN.
 2. PROVIDE ELECTRIC RESISTANT HEATING ELEMENT EHE-1 ON INCOMING OUTSIDE AIR DUCT IN LOCATION SHOWN. PROVIDE UNIT WITH SILICON CONTROLLED RECTIFIER (SCR) CONTROLS FOR TEMPERATURE MODULATION FROM 0-100% CAPACITY.
 3. EXISTING FAN COIL UNITS SHALL SERVE THE EXISTING PT/OT ROOM FOR THIS PHASE OF DESIGN. EXISTING AIR BALANCE SHALL REMAIN.
 4. PROVIDE NEW EXHAUST FAN EF 2-2 ON ROOF AND ASSOCIATED TEMPORARY EXHAUST DUCT AS SHOWN. PROVIDE TEMPORARY EXHAUST GRILLE IN EXISTING CEILING AND CONNECT TO TEMPORARY EXHAUST DUCTWORK. EXHAUST FAN EF 2-2 SHALL REMAIN AFTER COMPLETION OF THIS PHASE. COORDINATE WORK SCHEDULE IN THIS AREA WITH THE CONTRACTING OFFICER'S REPRESENTATIVE.

3 ENLARGED MECHANICAL HVAC PLAN - PHASING PLAN
1/4" = 1'-0"



- 1/6-M-402 MECHANICAL PLAN NOTES:**
1. ROUTE DUCT BELOW ROOF FRAMING STRUCTURE IN LOCATION(S) SHOWN.
 2. PROVIDE VARIABLE AIR VOLUME TERMINAL UNITS VAV 2-37 AND VAV 2-38 IN THE LOCATION SHOWN. ROUTE DUCTWORK TO ALLOW FOR PIPING CONNECTIONS AND MAINTENANCE AS REQUIRED.
 3. REFER TO PLAN 2/6-M-402 FOR RETURN AIR DEVICE LAYOUT AND ASSOCIATED INFORMATION.
 4. PROVIDE FIRE DAMPER ON DUCT PENETRATIONS THROUGH WALL IN LOCATIONS SHOWN.
 5. PROVIDE VERTICAL DROP IN RETURN DUCT ROUTING IN LOCATION SHOWN. COORDINATE WITH VAV PIPING CONNECTIONS AND MAINTENANCE ACCESS.
 6. CONTRACTOR SHALL INSTALL TRANSFER AIR GRILLE IN TOP OF CABINET DIRECTLY ABOVE THE VIRTUAL FISH TANK CONTROLLER IN LOCATION SHOWN. SEE DETAIL 6/6-M-503 FOR RELATED INFORMATION.

1 ENLARGED MECHANICAL HVAC PLAN - DINING & DAY ROOM (B108)
1/4" = 1'-0"



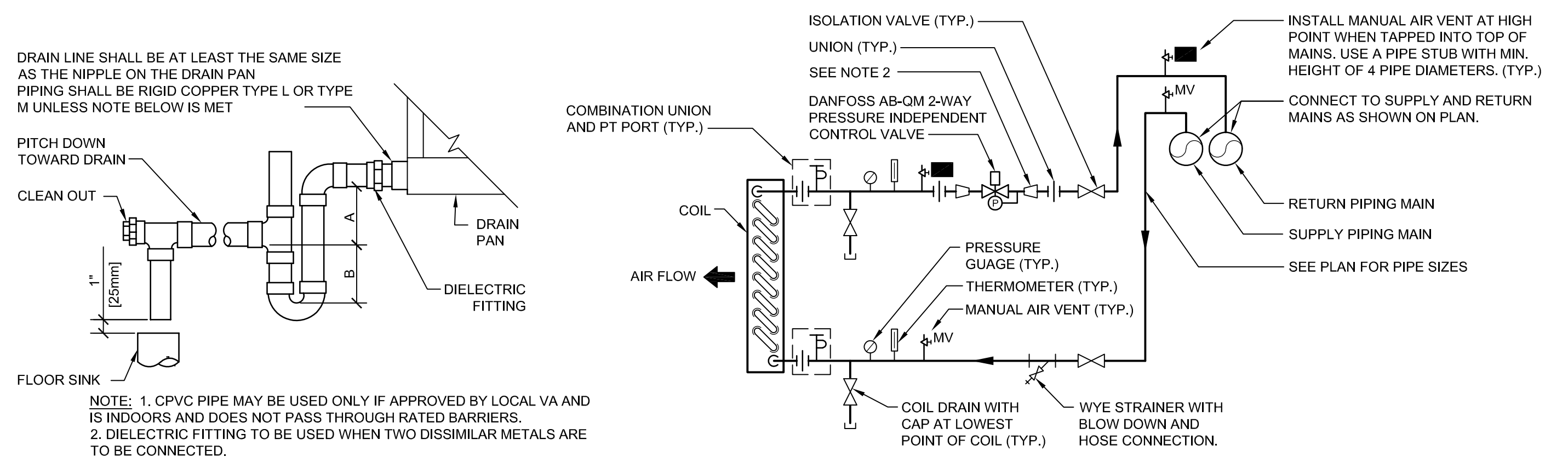
- 2/6-M-402 MECHANICAL PLAN NOTES:**
1. LOOP LINEAR SLOT RETURN AIR DEVICES TO FOLLOW LOW CEILING AND LIGHTING LAYOUT. COORDINATE FINAL DIMENSIONS AND LOCATION WITH THE ELECTRICAL AND ARCHITECTURAL REFLECTED CEILING PLAN.
 2. ACTIVE SECTION OF LINEAR SLOT RETURN AIR DEVICES. PROVIDE PLENUM AND CONNECTION TO RETURN DUCT MAIN AS REQUIRED. SEE DIMENSIONS ON PLAN.
 3. INACTIVE SECTION OF LINEAR SLOT RETURN AIR DEVICES. SEE DIMENSIONS ON PLAN.
 4. INACTIVE MITERED CORNER FOR LINEAR SLOT RETURN LOOP. TYPICAL OF ALL CORNER SEGMENTS.

2 ENLARGED MECHANICAL HVAC PLAN - DAY ROOM / DINING ROOM RETURN AIR DEVICES
1/4" = 1'-0"

- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
 2. SEE SHEET 6-GI-001 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
 3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
 4. COORDINATE MECHANICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF WORK.
 5. PROVIDE TRANSITION FROM VAV BOX INLET AND OUTLET CONNECTIONS TO THE SIZES SCHEDULED ON SHEET 6-M-602.
 6. VAV ATU HEATING HOT WATER SUPPLY AND RETURN PIPING BRANCHES SHALL BE 3/4" UNLESS NOTED OTHERWISE ON PLAN.
- DEDUCT ALTERNATE AND PHASING GENERAL NOTES:**
1. ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
 2. IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.

three inches = one foot
one and one-half inches = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot

CONSULTANT INFORMATION STRUCTURAL / CIVIL ENGINEER: STAND STRUCTURAL ENGINEERING, 11827 W. 112TH STREET, SUITE 200, OVERLAND PARK, KS 66210 (913) 214-2169 MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER: SPUR DESIGN, 11020 KING STREET, SUITE 350, OVERLAND PARK, KS 66210 (405) 842-6100 FIRE PROTECTION ENGINEER: POOLE FIRE PROTECTION, INC., 19910 W. 161ST STREET, OLATH, KS 66062 (913) 829-8650		ARCHITECT 513 SW 23rd Street, Overland Park, KS 66209 10000 Ring Street, Suite 300, Overland Park, KS 66202 7/10/2019 KANSAS PROFESSIONAL ENGINEER		Office of Construction and Facilities Management VA U.S. Department of Veteran Affairs		SHEET TITLE: MECHANICAL ENLARGED PLANS II APPROVED: PROJECT DIRECTOR		PROJECT PHASE: BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE: RENOVATE A & B WING BUILDING 6 PROJECT LOCATION: 2200 SW GAGE BLVD. TOPEKA, KS 66622 DATE: 07/10/19 CHECKED BY: JES DRAWN BY: JAD		VA PROJECT NUMBER: 589A5-19-116 BUILDING NUMBER: 6 DRAWING NUMBER: 6-M-402 Dwg. 110 OF 160	
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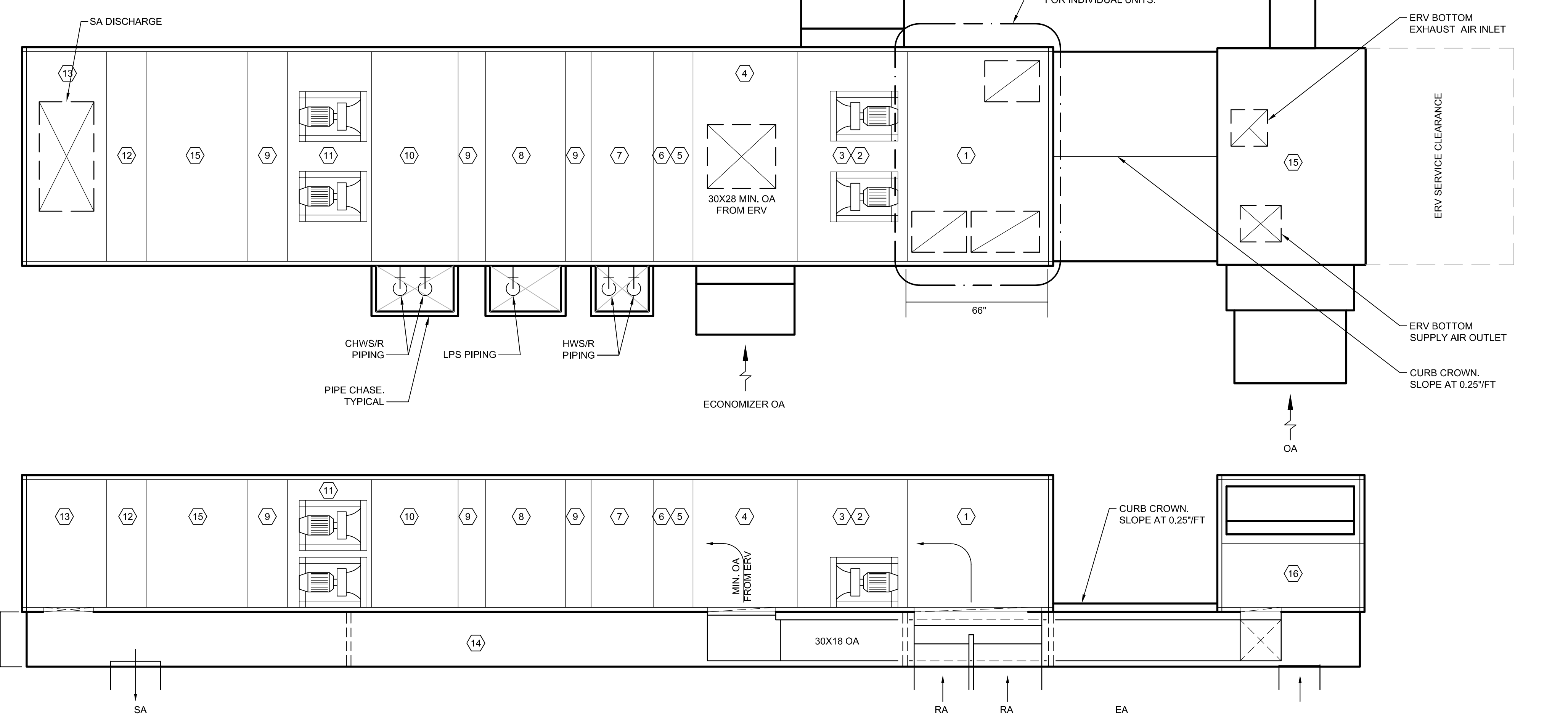
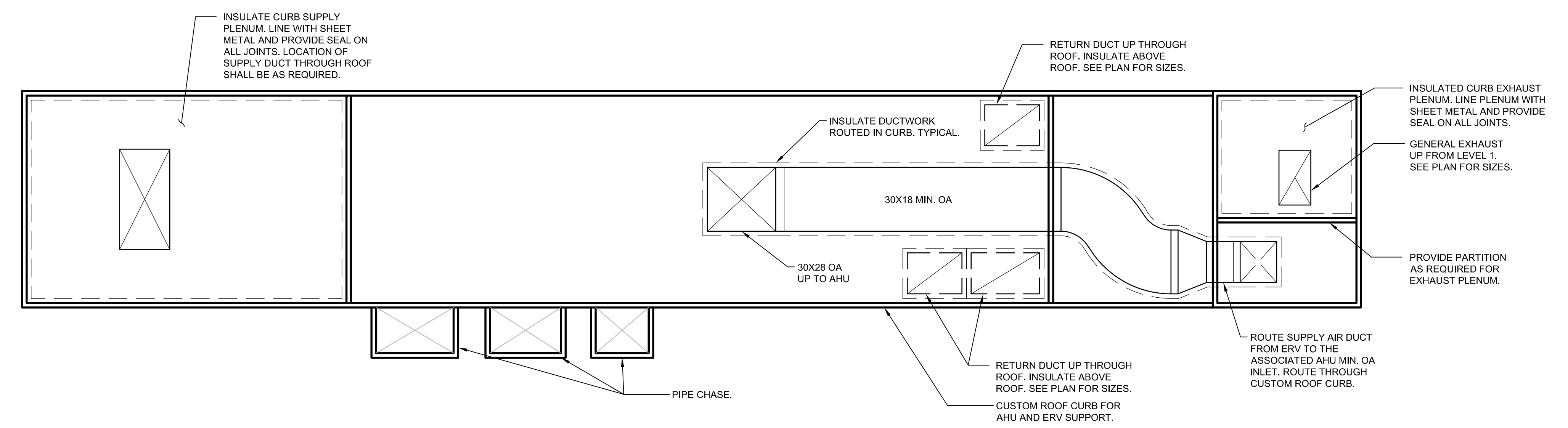
- NOTES:**
1. INSTALL CONTROL VALVE BETWEEN UNIONS OR FLANGES.
 2. PROVIDE CONCENTRIC REDUCERS BOTH SIDES OF CONTROL VALVE AS REQUIRED.
 3. REPLACE UNION/FLANGE SET WITH A FLEXIBLE PIPE CONNECTOR WHERE EQUIPMENT IS SUPPORTED OR SUSPENDED BY SPRING ISOLATORS.
 4. ARRANGEMENT SHOWN FOR FULL FLOW THROUGH COIL ON FAILURE.

UNIT TYPE	A	B
DRAW THRU	2" [50mm] PLUS X	X
BLOW THRU	1" [25mm] MINIMUM	2X

WHERE X = STATIC PRESSURE IN PAN

3 AIR HANDLING UNIT TRAP DETAIL NOT TO SCALE

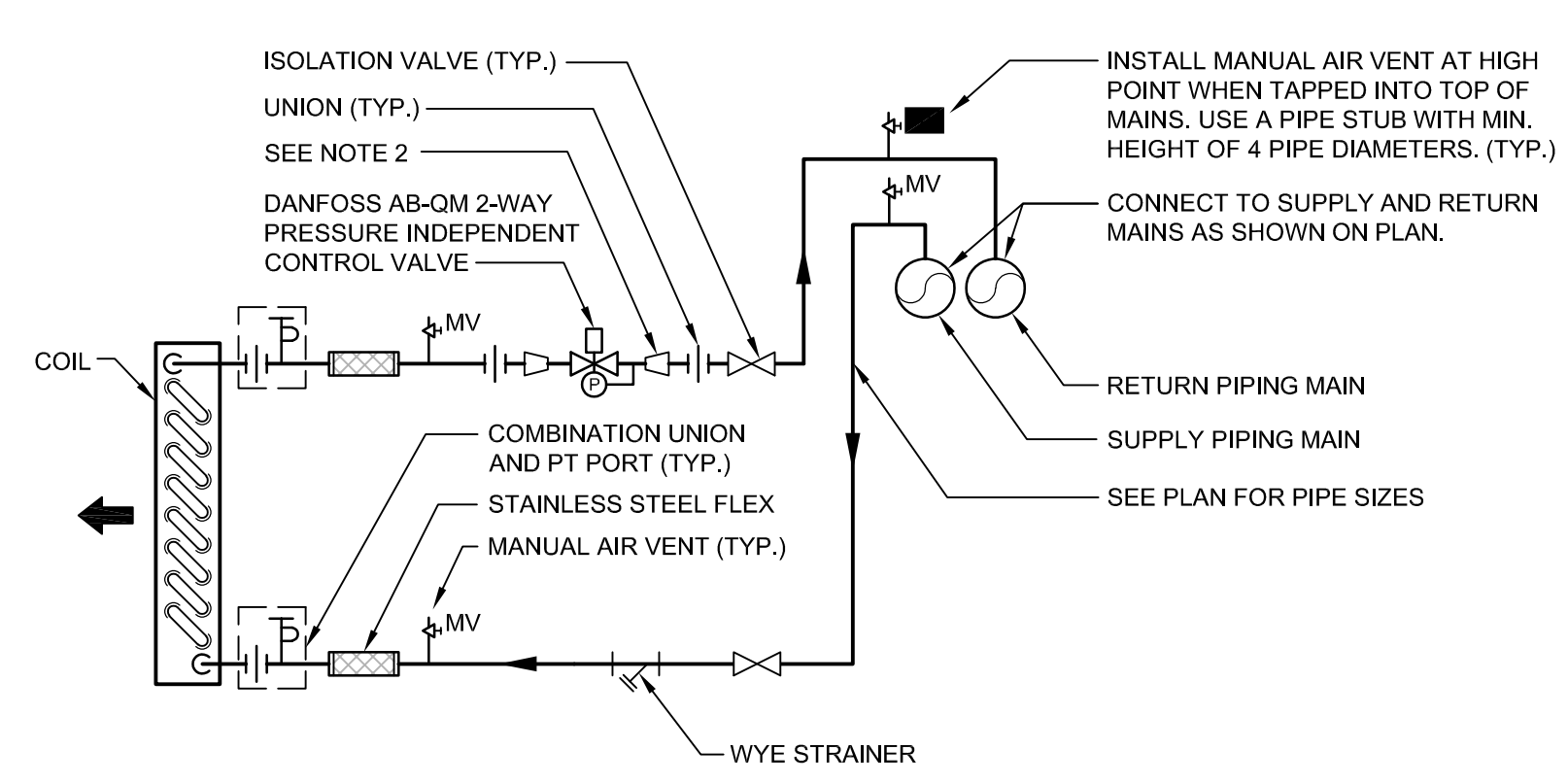
AHU COIL PIPING CONNECTIONS DETAIL WITH 2-WAY PRESSURE INDEPENDENT CONTROL VALVE NOT TO SCALE



UNIT CONFIGURATION LEGEND	
1	RETURN AIR INTAKE
2	RETURN FAN ARRAY
3	RELIEF AIR OUTLET
4	OA INTAKE PLENUM
5	MERV 7 PRE-FILTER
6	MERV 11 PRE-FILTER
7	IFB PREHEAT COIL
8	HUMIDIFIER
9	ACCESS SECTION
10	COOLING COIL
11	SUPPLY FAN ARRAY
12	MERV 14 AFTER FILTER
13	DISCHARGE PLENUM
14	CUSTOM ROOF CURB
15	SOUND ATTENUATOR SECTION
16	ENERGY RECOVERY VENTILATOR

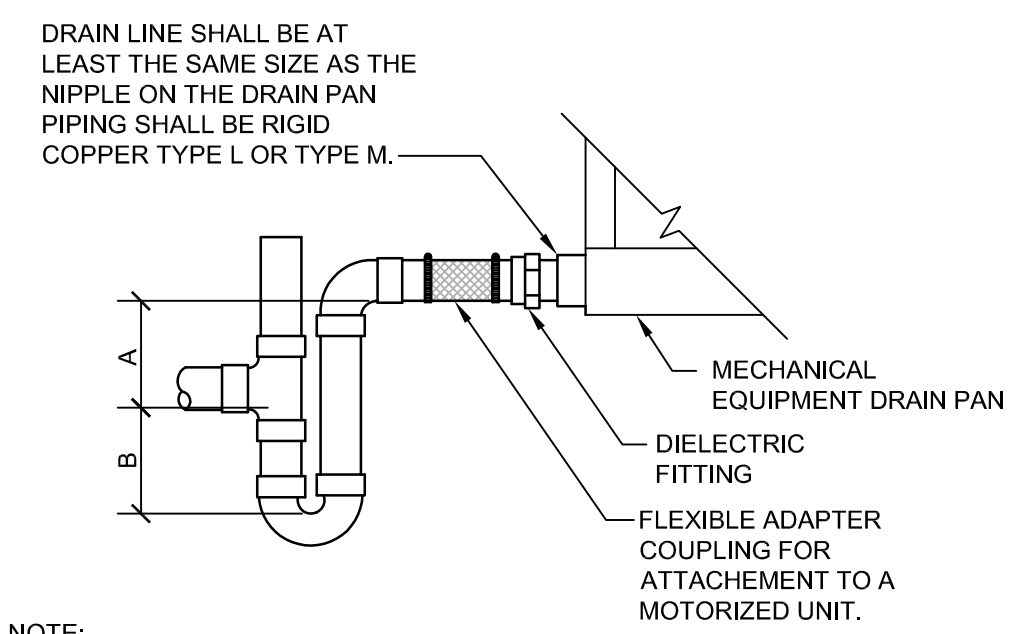
- NOTES:**
1. THIS DETAIL IS REPRESENTATIVE OF AIR HANDLING UNITS AHU-1 AND AHU-2 UNLESS NOTED OTHERWISE.
 2. AIR HANDLING UNIT SIZE, AIR INLETS/OUTLETS, COIL CONNECTIONS, AND PIPE CHASE LOCATIONS WILL VARY FOR EACH UNIT. SEE PLAN FOR THE ASSOCIATED UNIT'S CONFIGURATION AND DUCT SIZES PRIOR TO SELECTING EQUIPMENT.

1 AHU-1 & AHU-2 DETAIL NOT TO SCALE



- NOTES:**
1. INSTALL CONTROL VALVE BETWEEN UNIONS OR FLANGES.
 2. PROVIDE CONCENTRIC REDUCERS BOTH SIDES OF CONTROL VALVE AS REQUIRED.
 3. REPLACE UNION/FLANGE SET WITH A FLEXIBLE PIPE CONNECTOR WHERE EQUIPMENT IS SUPPORTED OR SUSPENDED BY SPRING ISOLATORS.
 4. ARRANGEMENT SHOWN FOR FULL FLOW THROUGH COIL ON FAILURE.

4 FCU/AV COIL PIPING CONNECTIONS DETAIL WITH 2-WAY PRESSURE INDEPENDENT CONTROL VALVE NOT TO SCALE



- NOTE:**
1. DIELECTRIC FITTING TO BE USED WHEN TWO DISSIMILAR METALS ARE TO BE CONNECTED.
 2. REFERENCE FLOOR PLANS FOR EXACT SIZE AND ROUTING OF CONDENSATE DRAIN PIPING.

UNIT TYPE	A	B
DRAW THRU	1" [50mm] PLUS X	MIN. 4" OR X+1/2"
BLOW THRU	1" [25mm] MINIMUM	MIN. 4" OR X+1/2"

WHERE X = STATIC PRESSURE IN PAN

5 FAN COIL UNIT CONDENSATE TRAP DETAIL NOT TO SCALE

CONSULTANT INFORMATION

STRUCTURAL / CIVIL ENGINEER
 STAND STRUCTURAL ENGINEERING
 11827 W. 112TH STREET, SUITE 200
 OVERLAND PARK, KS 66210
 (913) 214-2189

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FIRE PROTECTION ENGINEER
 POOLE FIRE PROTECTION, INC.
 19910 W. 161ST STREET
 OLATH, KS 66062
 (913) 828-8850

ARCHITECT



Office of Construction and Facilities Management



SHEET TITLE
MECHANICAL DETAILS I

APPROVED: PROJECT DIRECTOR

PROJECT PHASE
BID DOCUMENTS

FULLY SPRINKLERED

PROJECT TITLE
RENOVATE A & B WING BUILDING 6

PROJECT LOCATION
 2200 SW GAGE BLVD
 TOPEKA, KS 66622

DATE
07/10/19

CHECKED BY
JES

DRAWN BY
JAD

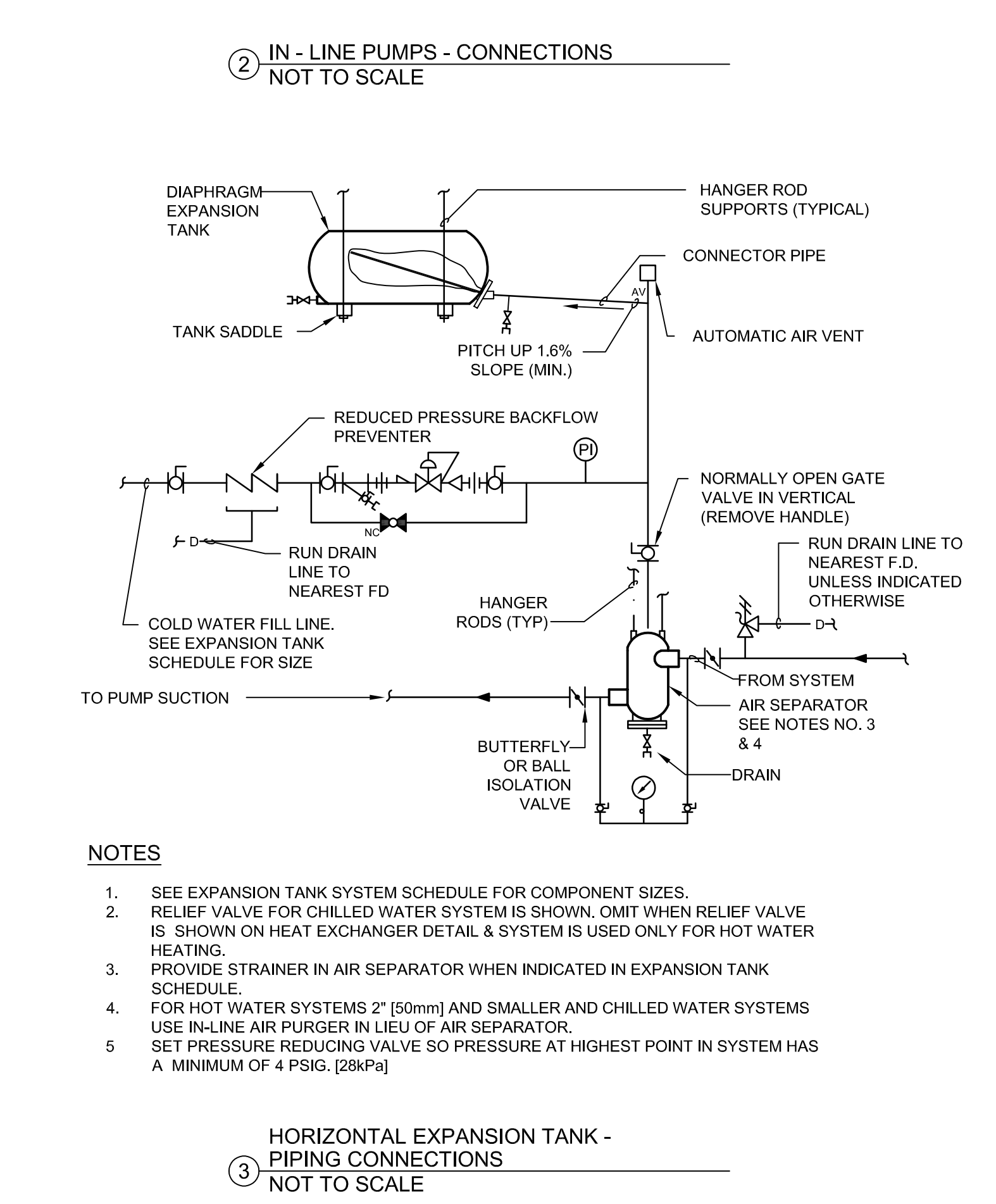
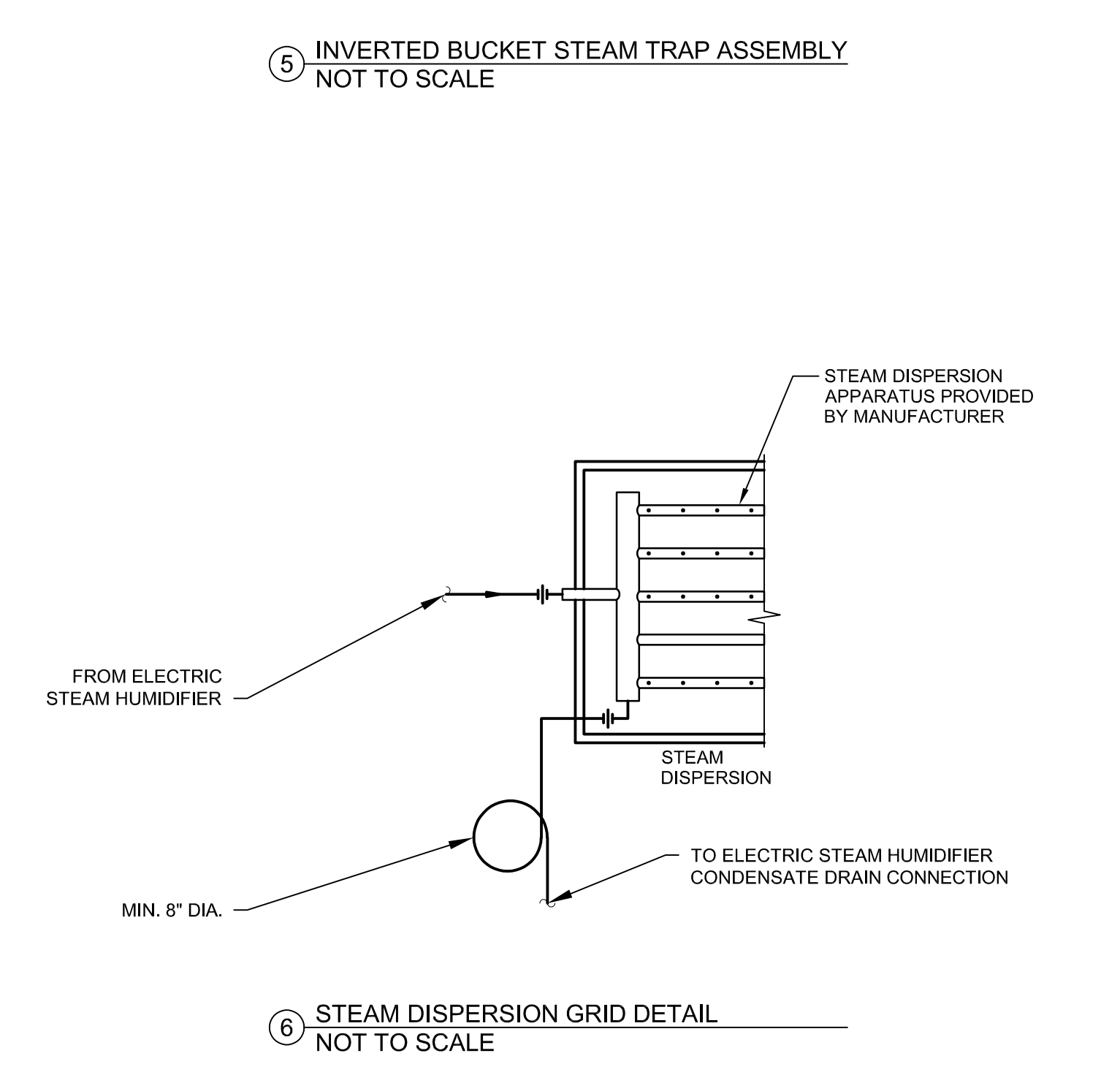
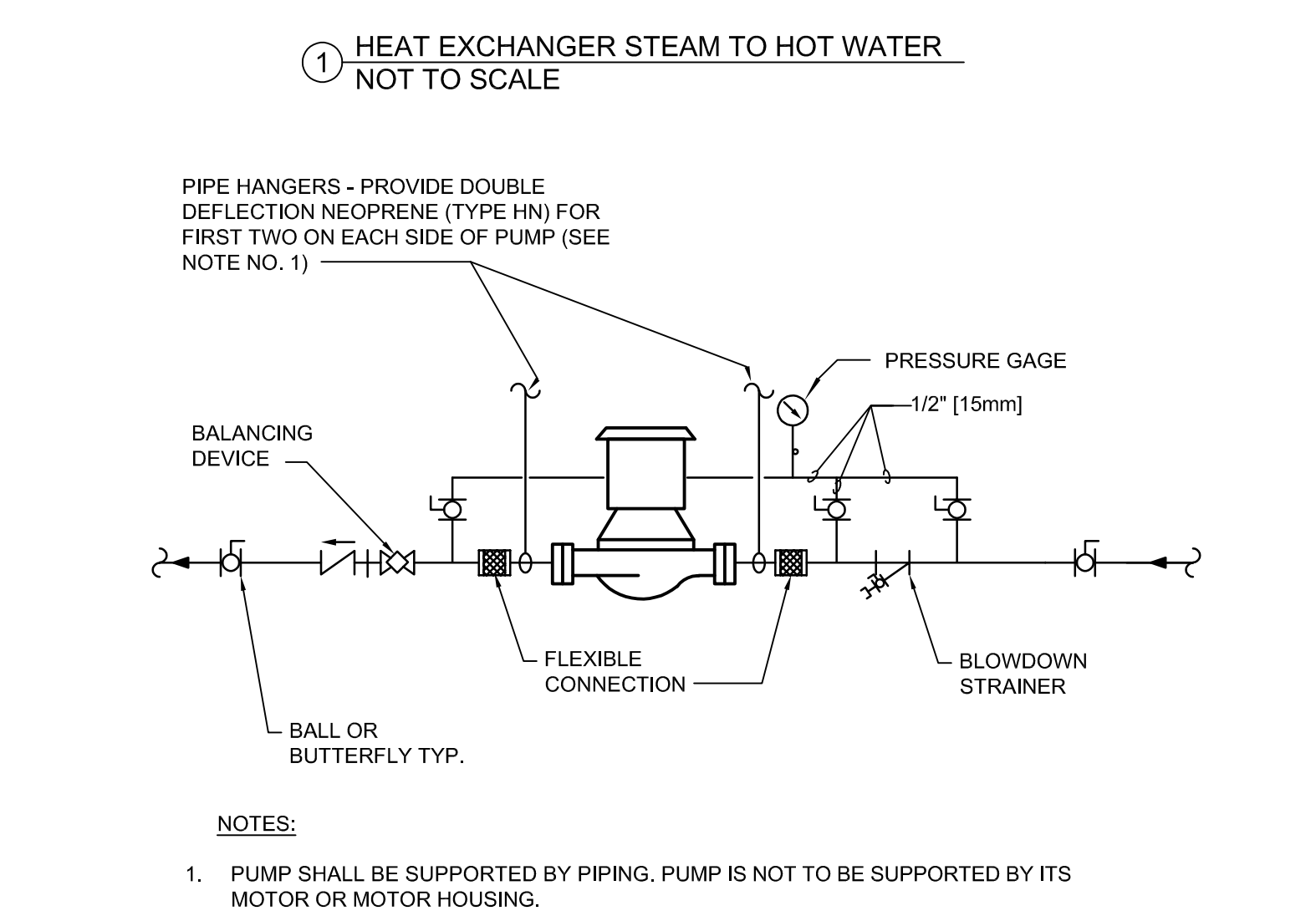
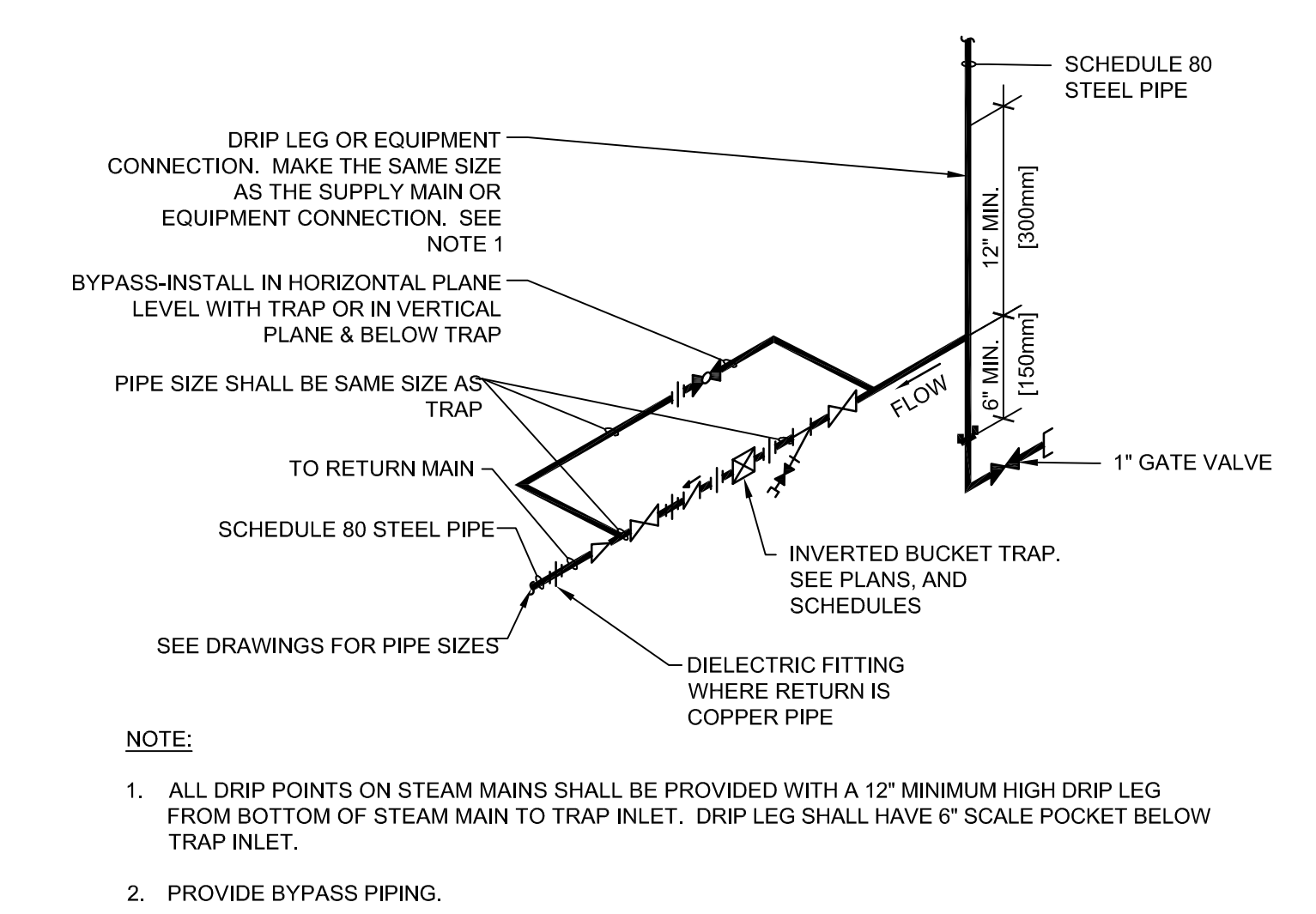
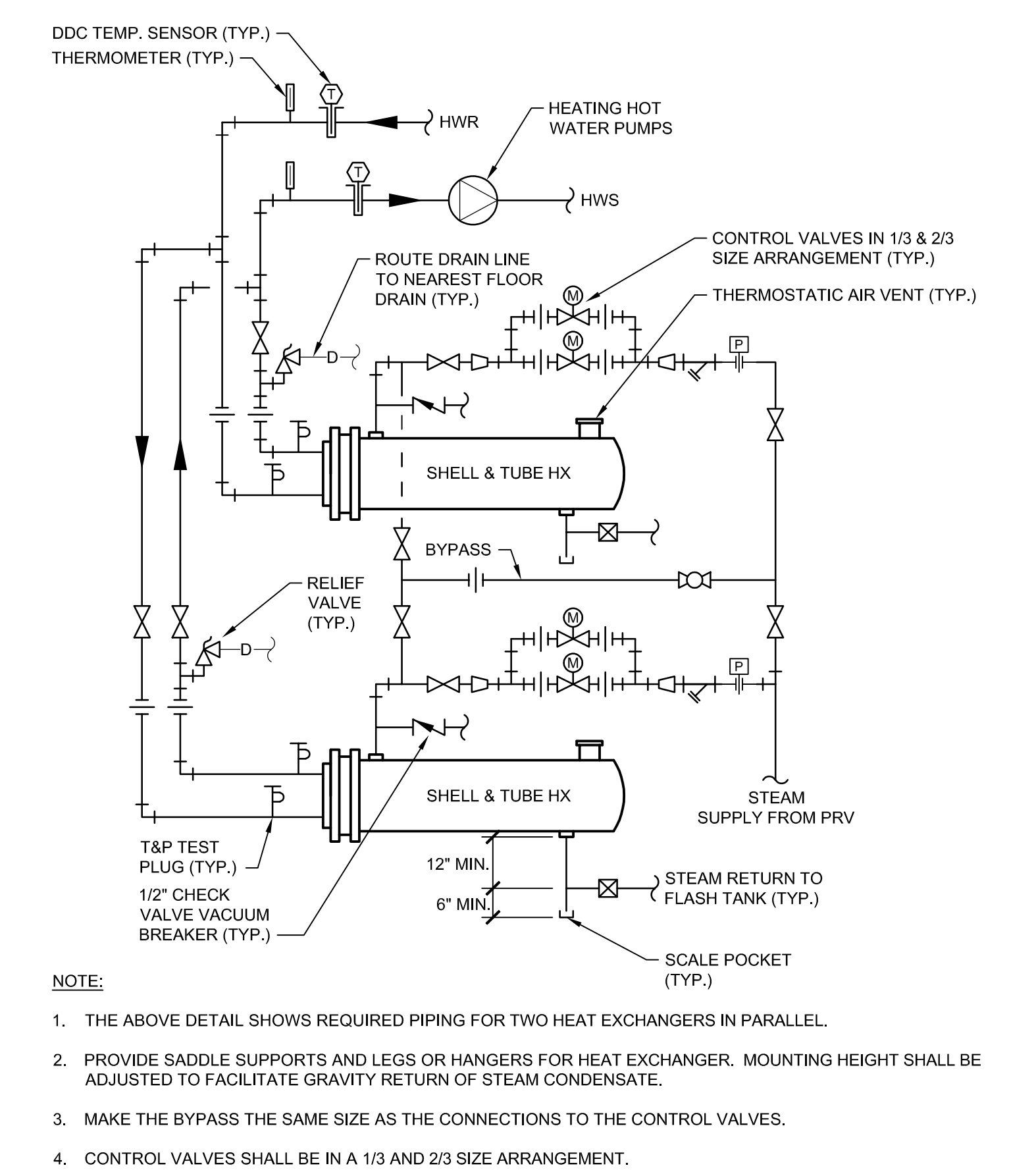
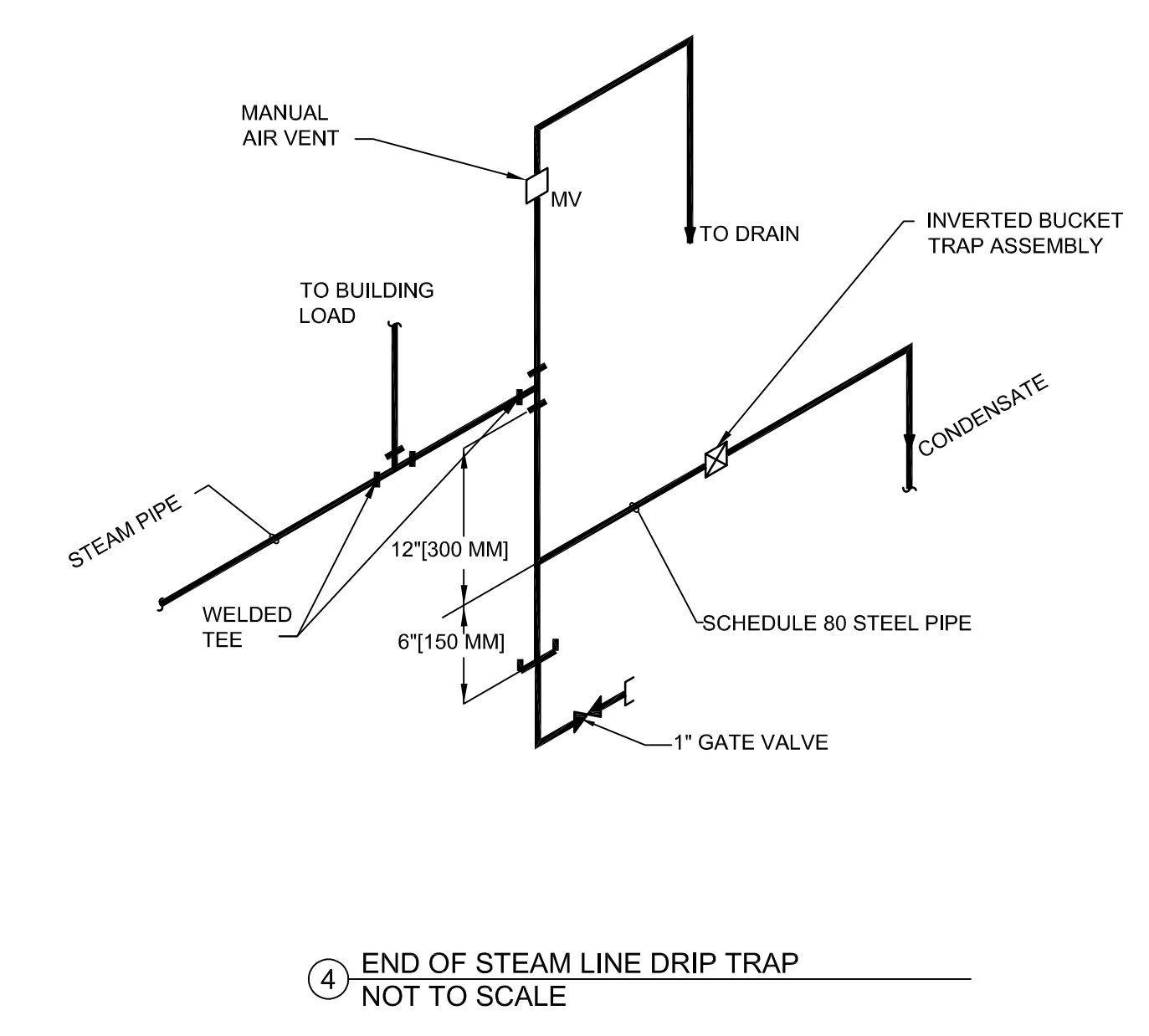
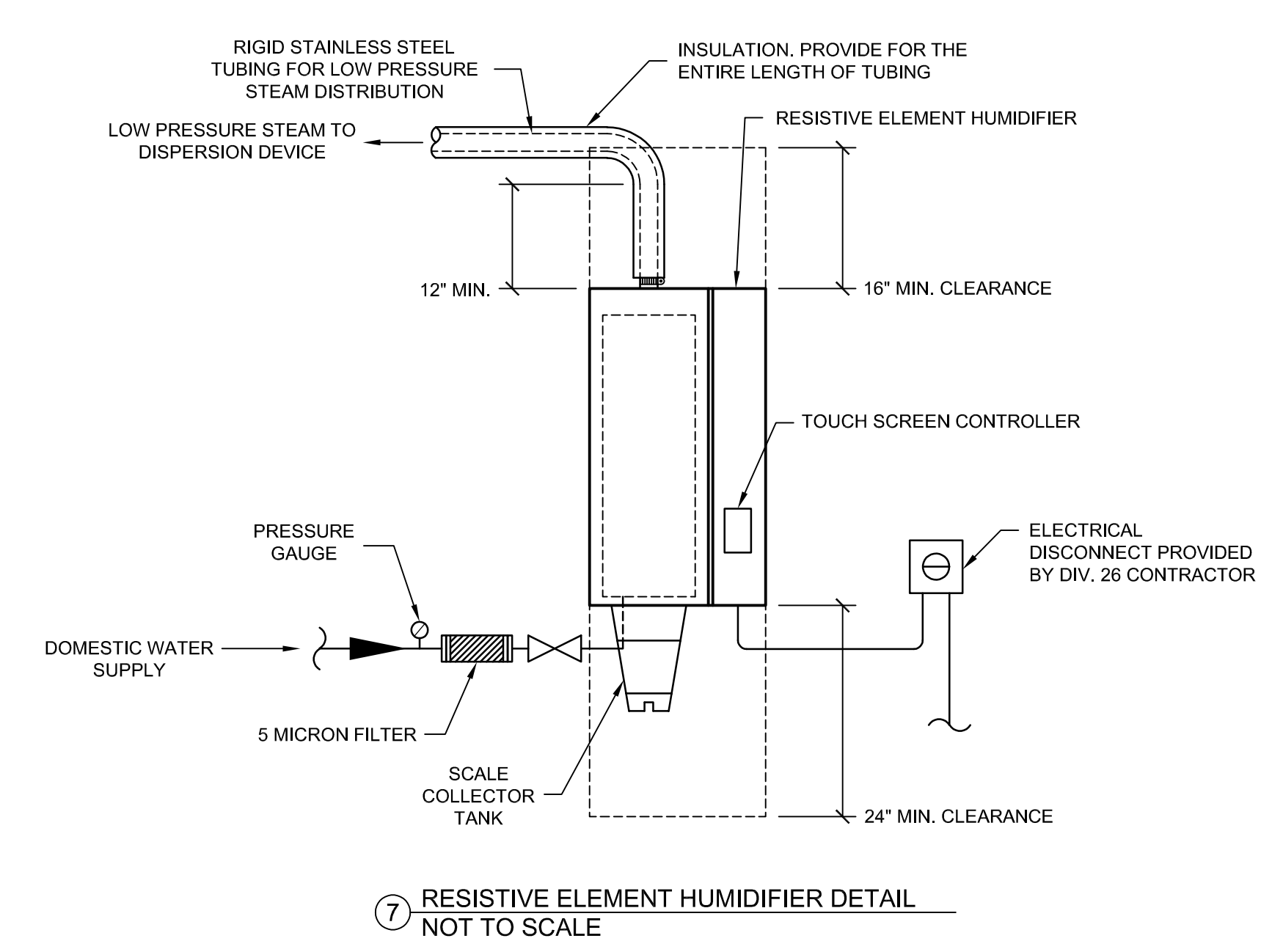
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BUILDING NUMBER
6

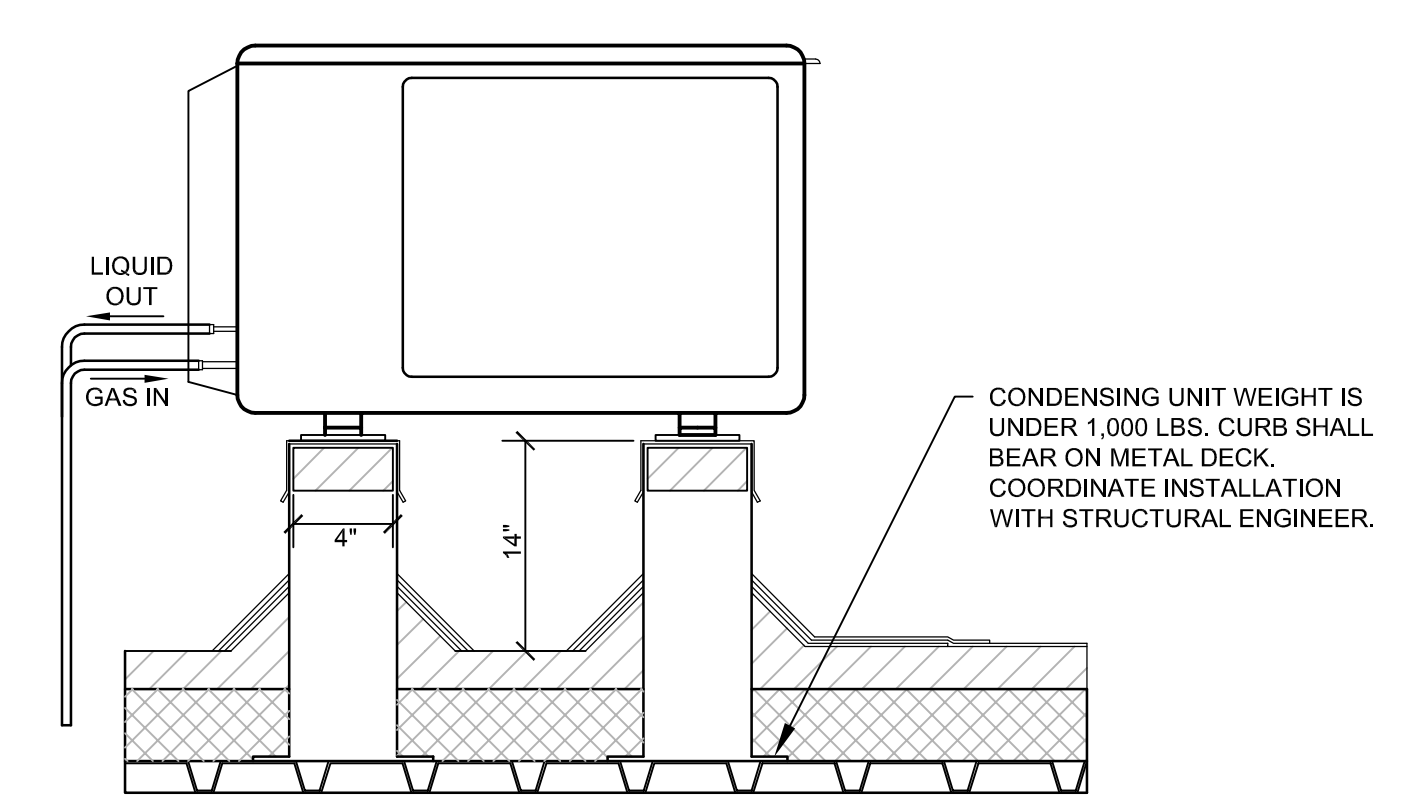
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Dwg. 111 OF 160

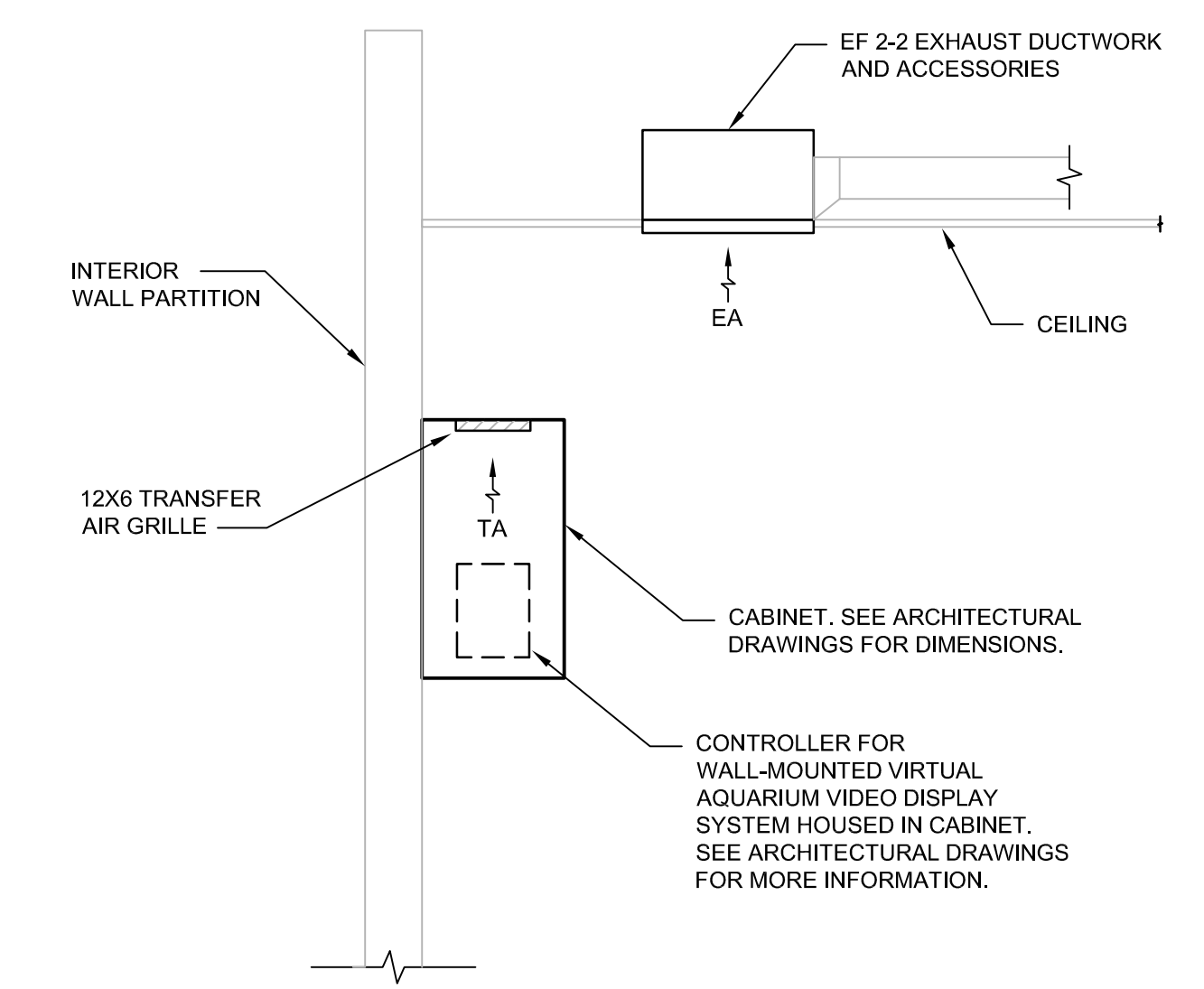
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 three inches = one foot
 three and one-half inches = one foot
 four inches = one foot
 four and one-half inches = one foot
 five inches = one foot
 five and one-half inches = one foot
 six inches = one foot
 six and one-half inches = one foot
 seven inches = one foot
 seven and one-half inches = one foot
 eight inches = one foot
 eight and one-half inches = one foot
 nine inches = one foot
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 ten inches = one foot
 ten and one-half inches = one foot
 eleven inches = one foot
 eleven and one-half inches = one foot
 twelve inches = one foot



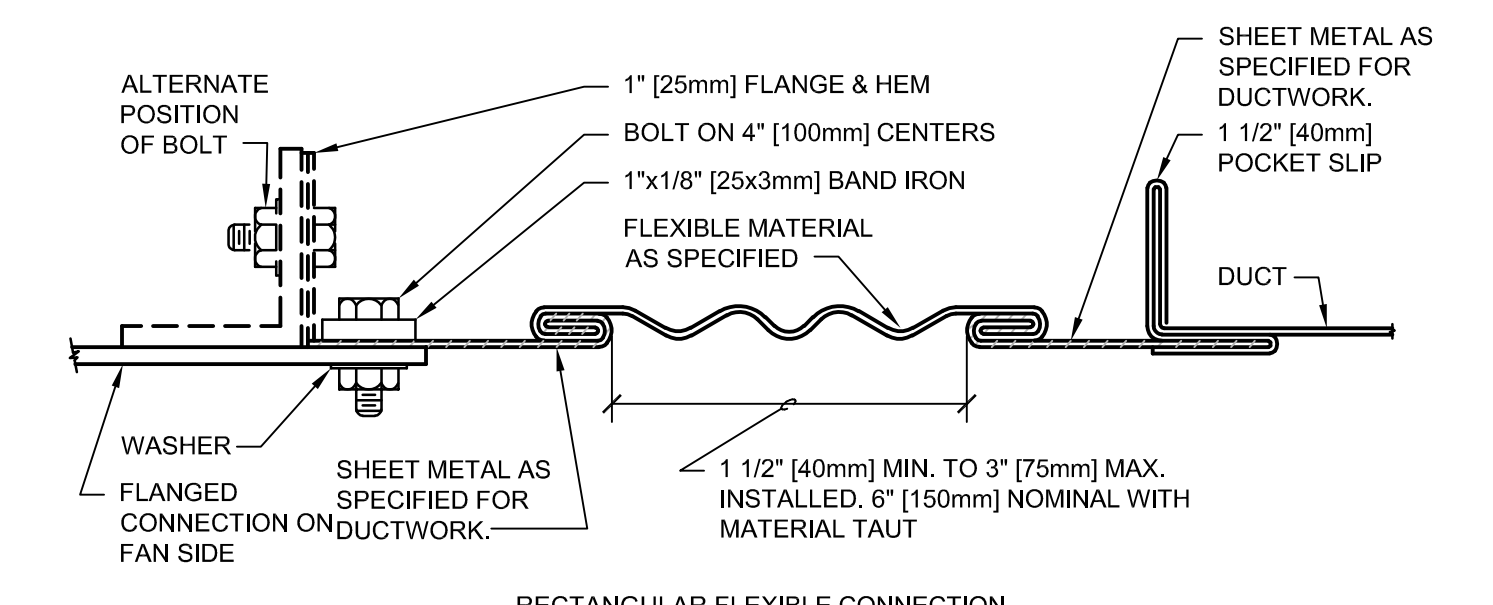
CONSULTANT INFORMATION STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 11827 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2189			MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 942-6100			FIRE PROTECTION ENGINEER POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 929-8650			ARCHITECT  333 SW 23th Street Overland Park, KS 66209 spur-design.com 11020 King Street, Suite 350 Overland Park, KS 66210 spur-design.com			Office of Construction and Facilities Management  VA U.S. Department of Veteran Affairs			SHEET TITLE MECHANICAL DETAILS II APPROVED: PROJECT DIRECTOR			PROJECT PHASE BID DOCUMENTS FULLY SPRINKLERED			PROJECT TITLE RENOVATE A & B WING BUILDING 6 PROJECT LOCATION 2200 SW GAGE BLVD TOPEKA, KS 66622			VA PROJECT NUMBER 589A5-19-116 BUILDING NUMBER 6 DRAWING NUMBER 6-M-502 Dwg. 112 OF 160		
Revision # _____ Date _____			DATE 07/10/19			CHECKED BY JES			DRAWN BY JAD																	



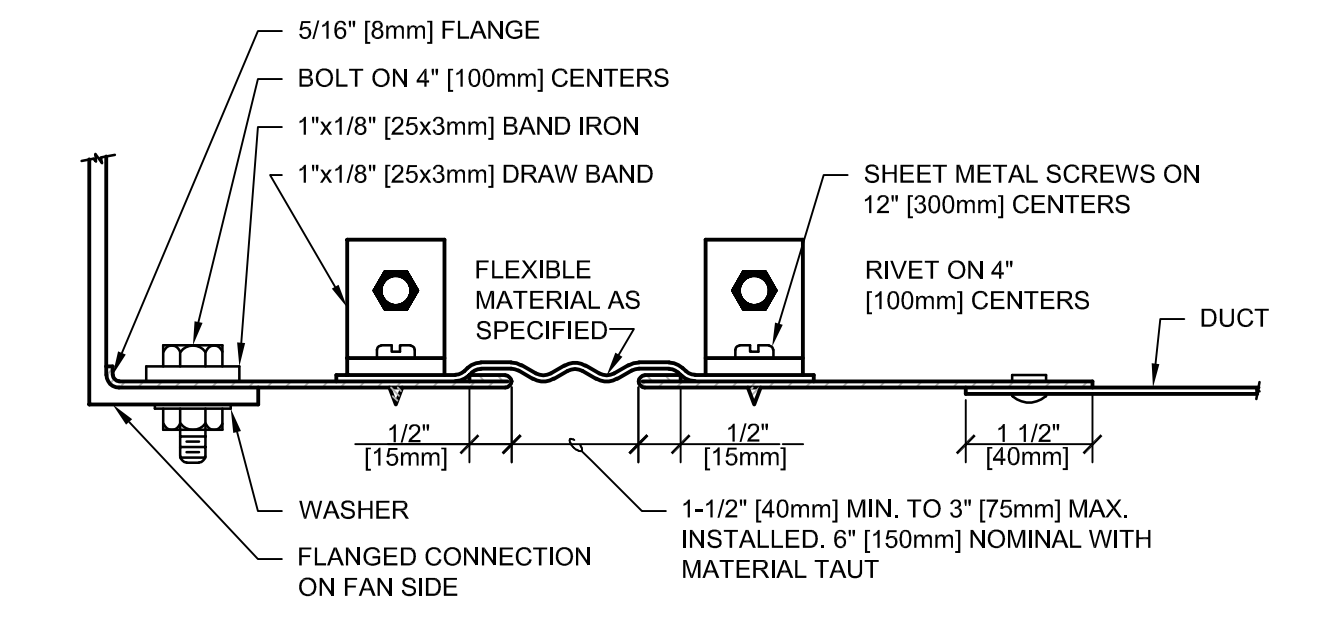
5 CONDENSING UNIT MOUNTING RAIL DETAIL NOT TO SCALE



6 FISH TANK CONTROLLER VENTILATION DETAIL NOT TO SCALE

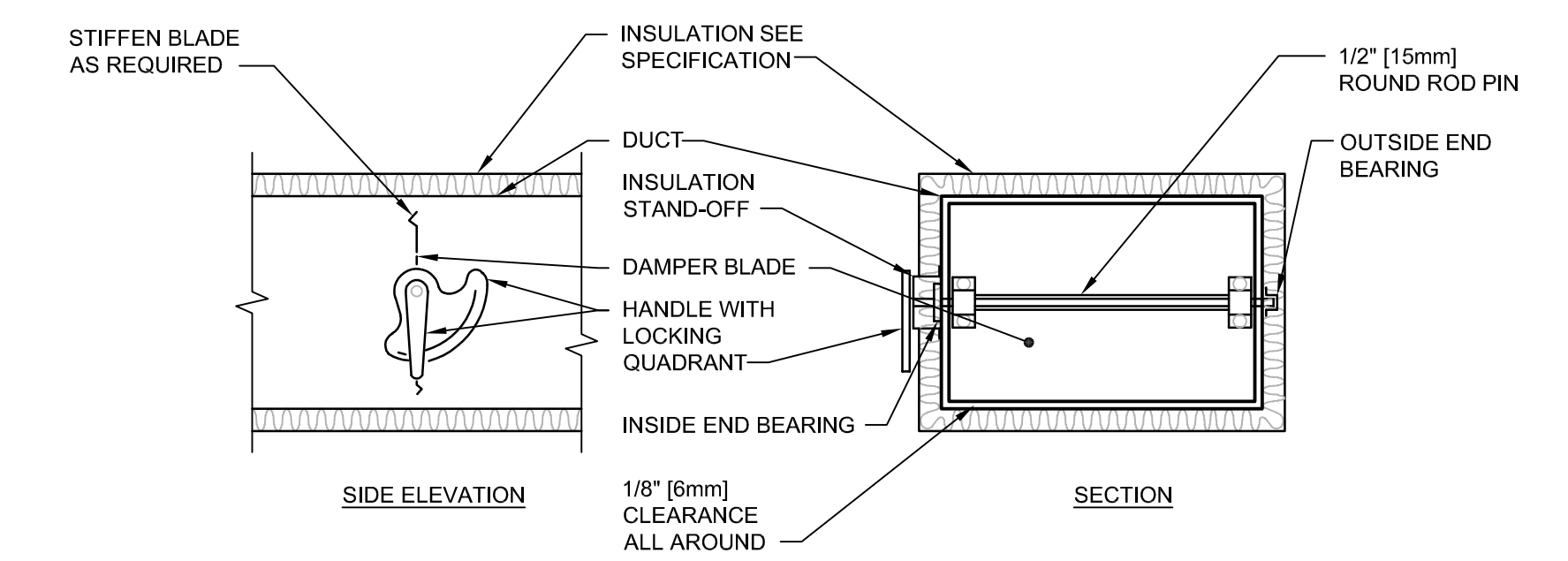


RECTANGULAR FLEXIBLE CONNECTION



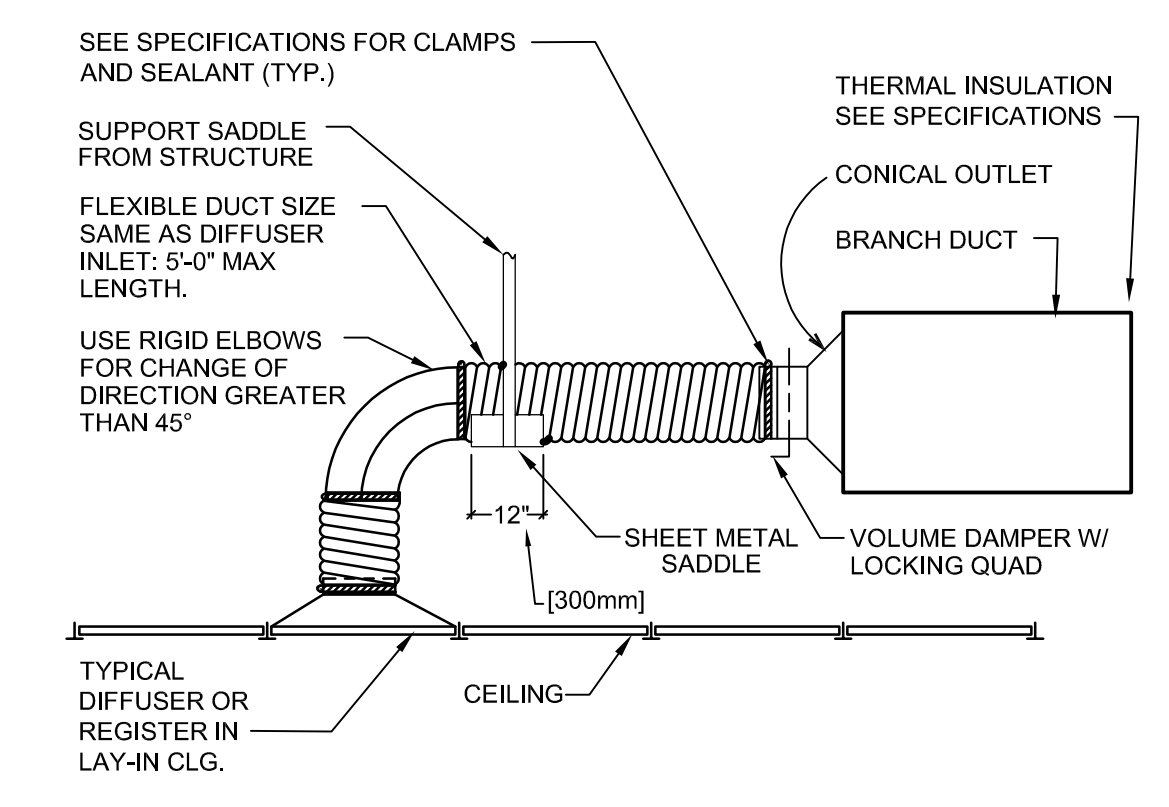
ROUND FLEXIBLE CONNECTION

1 FLEXIBLE DUCT CONNECTIONS NOT TO SCALE



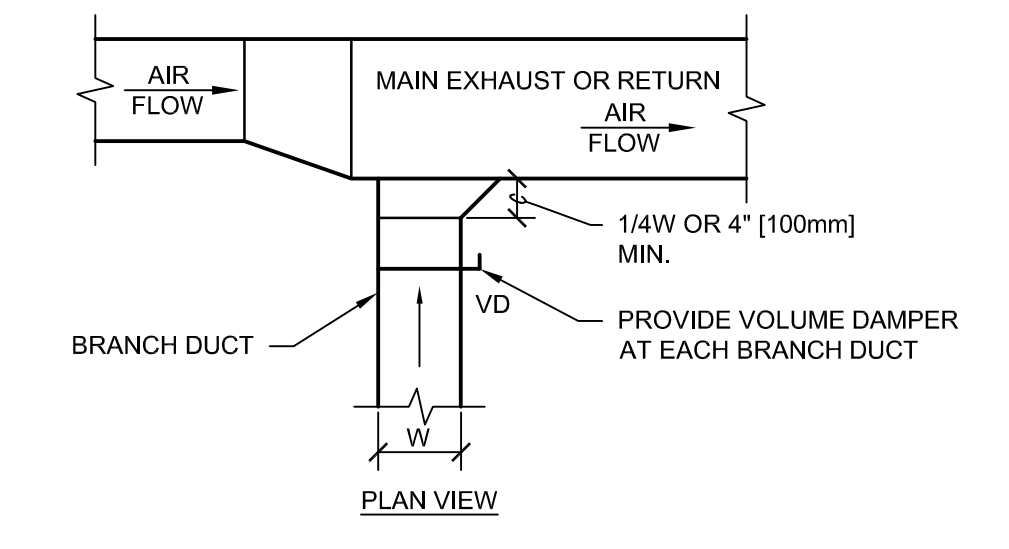
- NOTE:
- DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
 - DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULT-BLADE DAMPERS & ROUND DAMPERS.

2 VOLUME DAMPER DETAIL NOT TO SCALE



- NOTE:
- THE USE OF FLEXIBLE AIR DUCT CONNECTORS ARE NOT PERMITTED FOR THE DEDICATED AHU SERVING THE SURGICAL SUITE.

3 FLEXIBLE AIR DUCT CONNECTOR NOT TO SCALE



4 EXHAUST OR RETURN BRANCH DUCTWORK NOT TO SCALE

CONSULTANT INFORMATION

STRUCTURAL / CIVIL ENGINEER	MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER	FIRE PROTECTION ENGINEER
STAND STRUCTURAL ENGINEERING 11827 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2189	SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100	POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650

ARCHITECT



Office of Construction and Facilities Management
VA U.S. Department of Veteran Affairs

SHEET TITLE
MECHANICAL DETAILS III

APPROVED: PROJECT DIRECTOR

PROJECT PHASE
BID DOCUMENTS

FULLY SPRINKLERED

PROJECT TITLE
RENOVATE A & B WING BUILDING 6

PROJECT LOCATION
2200 SW GAGE BLVD
TOPEKA, KS 66622

DATE
07/10/19

CHECKED BY
JES

DRAWN BY
JAD

VA PROJECT NUMBER
589A5-19-116

BUILDING NUMBER
6

DRAWING NUMBER
6-M-503

Dwg. 113 OF 160